

Building Material

Lowest Prices from Our Factory Direct to You

A Message

From America's Foremost Building Material Specialists

Our catalogs have "blazed the trail" to big money savings for over 35 years. And this book brings better selections—lower prices and greater savings than ever.

—Featuring—

**HOMES
GARAGES
LUMBER
MILLWORK
ROOFING
WALL BOARDS**

**PLUMBING
HEATING
PAINTS
HARDWARE
FENCING
IMPLEMENTS**

Finest Quality and Lowest Prices!

Direct dealing with us as manufacturers means more to you than just a big money saving. Careful supervision of materials and methods in our factories mean finest quality and workmanship in everything you buy from us.

Valuable Building Service Free!

Our building experts and engineers are waiting to help you with all your building problems. Thru 35 years, this valuable service has aided thousands in the proper selection of all materials—in the building of their homes—in all remodelling, repairing, plumbing and heating work. Let our practical men show you how to buy and build with economy and satisfaction, free from extras, risk or loss.

**Every Article in This Book Is Sold to You Under
Our Liberal Money-Back Guarantee. See Page 5**

Established in 1892

HARRIS

HARRIS BROTHERS CO.

**35th and Iron Streets
CHICAGO**

America's Building Material Headquarters for Over 35 Years



Harris 20 year Roofings

Endorsed by Underwriters!

SPARK
PROOF

FIRE
RESISTING

\$4²⁵
PER
SQUARE

Hexagon Slab Shingles

This slate surfaced shingle forms a beautiful hexagon design. Self spacing. Easiest shingle to lay. Size 10 in. wide x 36 in. long with a wide overlap. Weight per square, 160 lbs. Four colors.

7-B-501 Harris Hexagon Slab Shingles (state color wanted, Red, Green or Blue-black), per square of 100 sq. ft. **\$4.25**
7-B-504 Harris Hexagon Slab Shingles, *Autumn Blend, per square of 100 sq. ft. **4.50**

Octagon Slab Shingles

\$4⁹⁵
PER
SQUARE

Improved 4 in 1 Style

Forms an octagon design and provides a full two layer, slate covered protection over the entire roof with 3 thicknesses at the butt. Size 11 in. x 35 3/4 in. long. Self-spacing. Weight 195 lbs. per square. Four colors.

7-B-601 Harris Octagon Slab Shingles (state color wanted, Red, Green or Blue-black), per square of 100 sq. ft. **\$4.95**
7-B-604 Harris Octagon Slab Shingles, *Autumn Blend, per square of 100 sq. ft. **5.25**

"Very-Best" Roll Roofing

Harris "Very-Best" roll roofing surfaced with an enduring coat of slate. Spark proof and unaffected by extreme temperature changes. Will not fade. Four colors. Average weight 90 lbs. to a roll of 108 sq. ft., allowing for 2 inch lap for cementing. Galvanized nails and cement for laying are included.
7-B-3144 Harris Slate surfaced roofing, price per roll of 108 sq. ft. (state color wanted, Red, Green or Blue-black) **\$2.10**
7-B-3155 Harris Slate surfaced roofing, *Autumn Blend, price per roll of 108 sq. ft. **\$2.25**

\$2¹⁰
PER
ROLL

Please Note: Other roofing materials and complete line of roofing accessories will be found in the roofing section of this book.

Guaranteed Best Quality Roofings

Harris Superior slate surfaced shingles and roll roofings are built on a foundation of best felt obtainable. Felt is saturated with pure asphalt and best weather-proofing materials known. The top coat of Crushed Slate, in beautiful natural colors strengthens the material and prolongs its life; makes them spark proof and fire resistant. Shingles are quoted per square. A square of shingles will cover 100 sq. ft. of roof surface. Rolls of roofing contain 108 sq. ft. and will cover 100 sq. ft. of roof surface, with the proper allowance for lapping at seams.

One full length continuous strip forms each roll of Roofing

Individual Shingles

Beautiful slate surfaced colored shingles, with every desirable protective feature, assuring long life. Laid 4 inches to the weather and about 1/2 in. apart; nailed 5 in. from the butt. Weight 240 lbs. per square. Four colors.

7-B-602 Harris slate surfaced Individual Shingles (state color wanted, Red, Green or Blue-black), per square of 100 sq. ft. **\$5.50**
7-B-614 Harris slate surfaced Individual Shingles, *Autumn Blend, per square of 100 sq. ft. **\$5.80**

\$5⁵⁰
PER
SQUARE

4 in 1 Square Butt Slab Shingles

Per Square **\$5²⁰**

Four-in-one shingles form a beautiful colored roof with the same effect as though covered with individual square butt shingles. Made of materials that give your roof superior protection and attractiveness. Self-spacing, size 10 in. x 36 in. long. Weight 195 lbs. per square. Four colors.

7-B-309 Harris square butt, slate surfaced shingles (state color wanted, Red, Green or Blue-black), per square of 100 sq. ft. **\$5.20**
7-B-304 Harris square butt, slate surfaced shingles, *Autumn Blend, shown on roof above, per square of 100 sq. ft. **\$5.50**

***NOTE:** Autumn blend roofings are coated with harmoniously colored crushed slate which is drifted over the surface to give a polychrome color effect.

A Complete Expert Service —

*for those
who intend
to build or
improve..*

Our Responsibility

We refer you to any commercial agency—any bank or banker—any express company—or publisher of any paper concerning our responsibility. We have established an enviable reputation and an unquestioned business standing by our fair, square deal methods which have been the corner stone to this business for over thirty-five years.

Building Material Is Our Specialty

When you buy from us, you buy from America's foremost building material specialists. This means better grades, a thorough understanding of your needs, manufacturing and selling volume that brings lowest prices to you.

America's Greatest Values!

This book brings you the "cream" of America's products—dependable materials of our own manufacture and from most reliable sources of supply. It places before you wide selections of every needed item for building, remodeling and all improvement work. Every page emphatically asserts our low price supremacy. Every article proves beyond all question of doubt, our leadership in value giving.

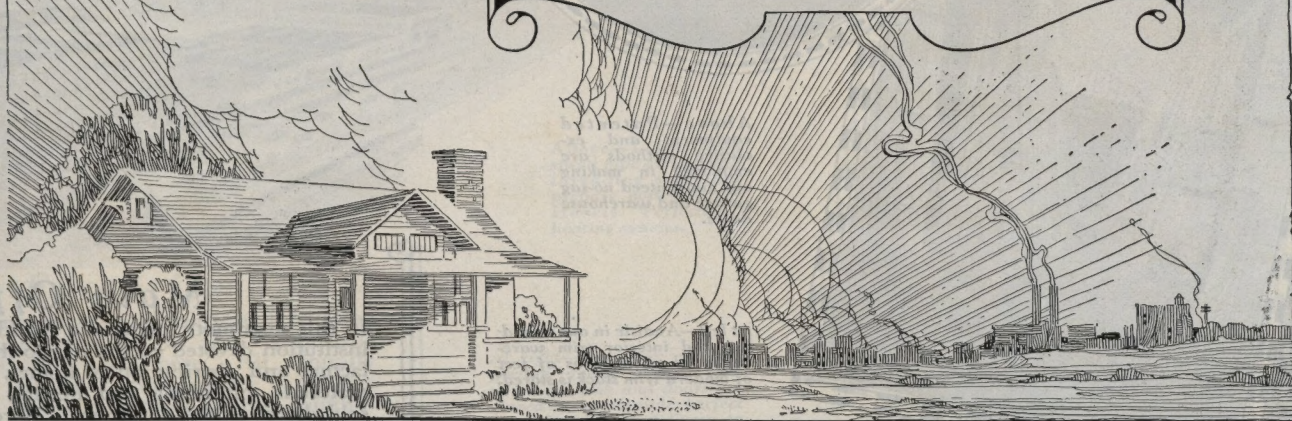
Expert Service Free!

With a priceless store of information which has come to us through more than 35 years of direct dealing with American home owners, we solicit your patronage. Our building material experts, engineers and estimators are prepared to give you the benefit of practical methods and a helpful time and trouble saving service.

Valuable Information Free!

We invite your letters of inquiry. Our experts will point out the short cuts to building satisfaction—the direct, sure and certain route to true economy. They will show you the best way to build your home, the proper way to decorate it. They will tell you which will be the best heating plant for your building and the most economical way to install it—the kind of plumbing you should buy to get what is best suited to your individual requirements—the right amount of paint and the correct color combinations for your buildings—how to figure roofing, wallboard, lumber; or, better, they will figure every detail for you and inform you fully, in simple, easily-understood language. How can we help you?

Established—1892

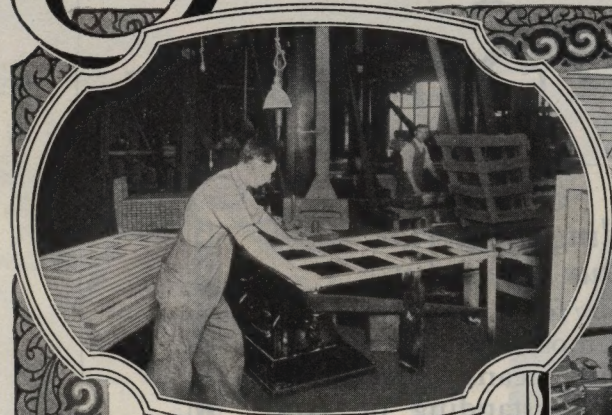


Copyright 1928 by
Harris Brothers Co.

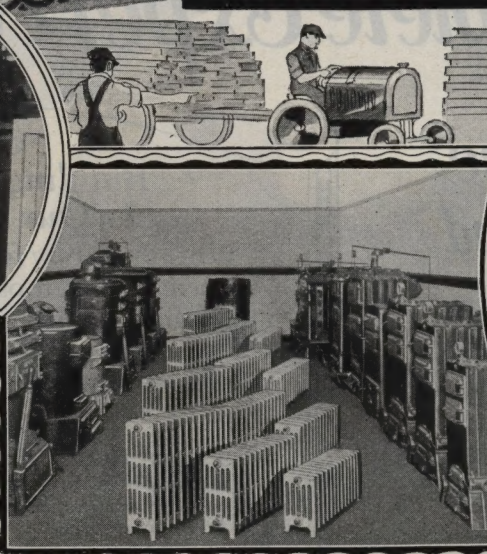
HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

America's Building

VIEWS OF OUR BIG



A corner in our sash factory where windows and sash of every description are manufactured under our direct supervision.



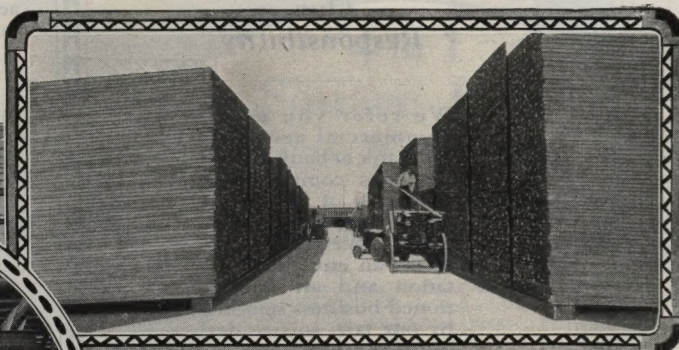
Above—a section of our big heating material warehouse where complete heating systems are assembled.



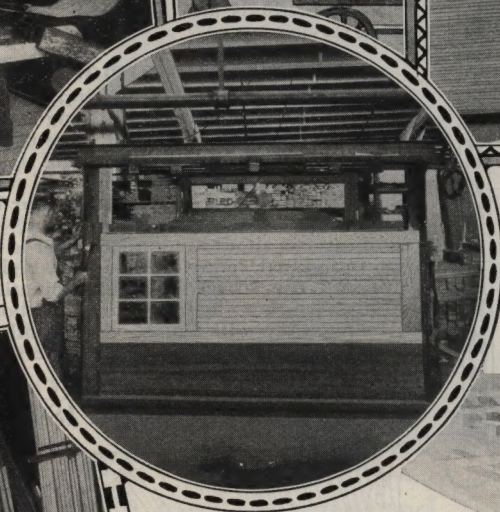
An aisle in our sash and window warehouse where thousands of stock sizes are always ready for quick delivery.



Above—A corner in our screen factory where window screens and doors are manufactured.



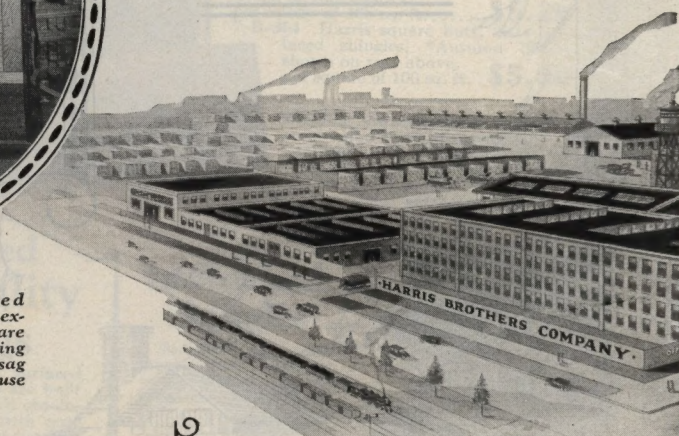
One of the lumber streets in our big material yards where over 10 million feet of finest lumber is stored.



Above—Patented equipment and exclusive methods are employed in making our guaranteed no-sag garage and warehouse doors.



At left—An aisle in our moulding and interior trim warehouse where millions of feet of modern trim stock is stored.



Main Offices

In this mammoth plant, the World's largest institution devoted exclusively to the manufacture and distribution of homes, building materials, plumbing and heating supplies sold direct to the consumer. Here are our executive offices and gigantic warehouses filled with the products we manufacture—our modern, splendidly equipped mill and cabinet factory, our sash, screen, moulding and interior trim plant.

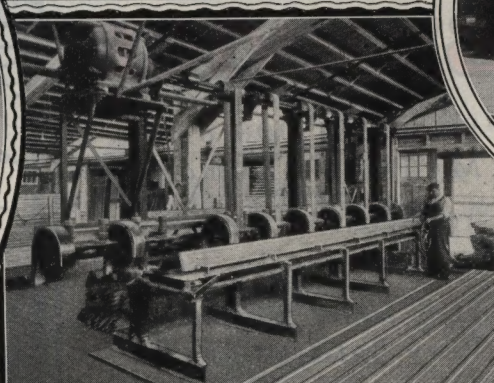
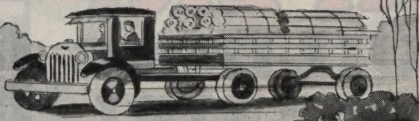
HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

Material Headquarters

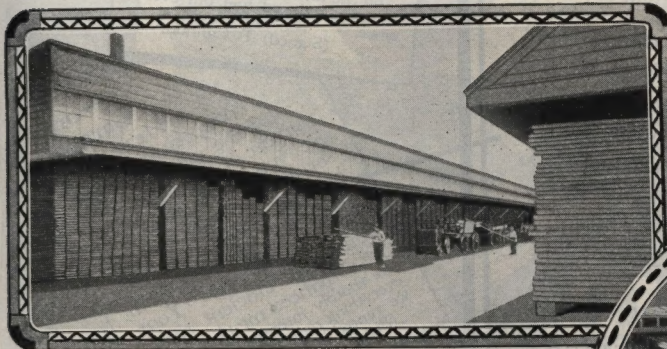
FACTORIES and STOCKS



Doors in all styles and sizes for every purpose. A glimpse of our big stock.

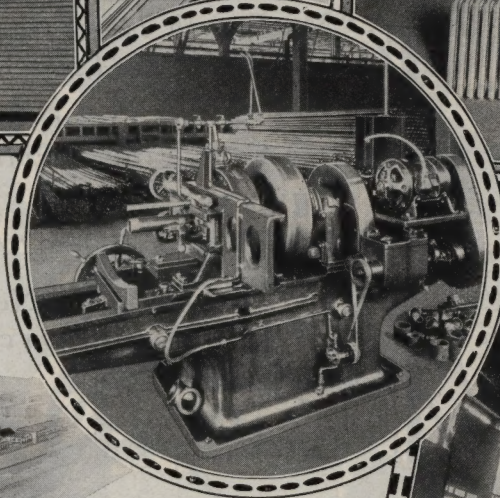


A scene in our splendidly equipped mill-work factory where modern machines aid us in bringing low prices to you.

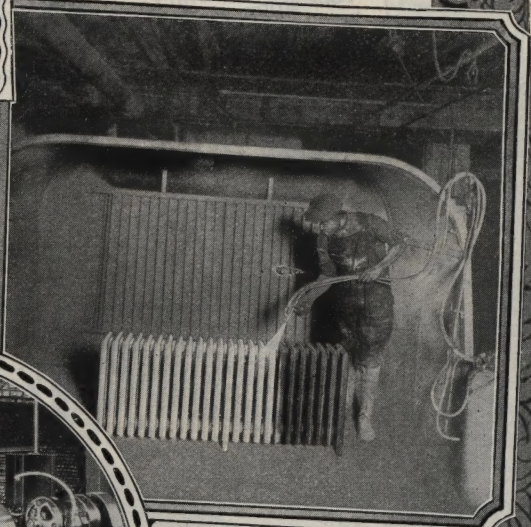


One of our mammoth finished lumber sheds protecting choice woods for Homes, Garages and Millwork.

Above—Patented machinery designed by our own engineers save lumber and labor in preparing materials for Harris buildings.



Above—Latest high speed pipe cutting and threading machines prepare materials for Harris "Perfection" heating systems.



Above—Radiators for our heating systems are beautifully enameled before they are delivered to you.



and Factories

Our home, garage and fabricated building factories, builders service and engineering divisions are located here. All centrally situated for your convenience and fast delivery to every section of the country. You are invited to come and supervise the selections of everything you order and inspect one of America's most interesting institutions. When in this vicinity, arrange to pay us a visit.

At right—A corner in our glazing room where your windows, sash and doors are glazed by experts under perfect conditions before delivery to you.



HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

Hundreds of Letters like these.

endorse our **EXPERT BUILDING MATERIAL SERVICE**

—on Homes

The House bought from you is finished and will say it is one of the best in the neighborhood. If I was to buy the material at any place in this part of the city, it would cost me at least \$1000.00 more. Thanks for the prompt delivery.
(Signed) Paul F. Scholz.

—on Millwork

Enclosed please find check for \$116.71. My purchases from your firm have been entirely satisfactory. Your storm windows are honest goods. A neighbor of mine recently bought from you, a complete outfit for his home, and is delighted with the quality.
(Signed) Frank G. Reiss.

—on Houses

My house is completed and I am more than pleased with it. Want to thank you for helping me through with the deal and the interest you have taken. Will move in Tuesday of this week. Material is first class and the services rendered surely fine.
(Signed) Frank W. Hume and Wife.

—on Homes

Here is the fourth Harris Home I have completed and want you to know that the materials received, the instructions sent and perfectly timed shipments saved me from \$800.00 to \$1200.00 on each house constructed.
(Signed) John Ollin.

—on Summer Cottages

Please find attached check for \$140.00, for the summer cottage recently purchased by me. I wish to express to your organization my appreciation of the style and material used in our home. You have been very courteous and everything was just as you represented it. Your untiring efforts in giving us information was very valuable.
(Signed) Jas. M. Brooks.

—on Garages

My garage is now completed and everyone says it is the most attractive garage in town. Local carpenters are trying to imitate it. The insulation holds the heat and keeps out the cold. Best of all the cost of this beautiful structure was very low. My brother wants one next season.
(Signed) Vint Hubler.

—on Heating

The heating system which I installed in my home has proven itself to be all and more than you claim for it. I left the entire deal in the hands of your Engineering Department, and should be commended for the accuracy and efficiency of this installation. My heating system is a model of finest materials and perfect workmanship. I made a big saving on the finished job, and have had a reduced fuel bill ever since.
(Signed) T. Cannon.

—on Garages

Here with find check for \$345.00 for the garage. The purpose of this letter is to let you know how well satisfied I am with this building and the way this order was handled from start to finish. Your courteous, efficient service are thoroughly interested in doing everything right and exactly as we wanted it done. Thank you.
(Signed) J. W. Greenman.

—on Building Materials

I am obliged to thank you for your service and would recommend your company to anyone in need of building material. Your prices are always lowest on best grades.
(Signed) J. M. Kolar.

—on Remodeling

Mr. Bennett and myself want you to know how pleased we are with the fine material you supplied for the sun parlor addition to our front porch. We are more than pleased and we want to especially comment on the Improvement Service you render. We now have a beautifully finished room, which we are very proud of and if at any time we desire to make any more improvements on our home we will surely get in touch with your company.
(Signed) Mrs. C. V. Bennett.

"Saved \$1,000 on My Harris Home"

"Most Attractive Garage in Town"

"Your Storm Windows Very Satisfactory"

"Heating System a Model of Perfection"

"First Class Material—Home Service Fine"

"Courteous Service All as We Wanted It"

"My Fourth Home—Saved \$800 to \$1,200"

"Thank You for Your Fine Service"

"All as Represented—Your Men Efficient"

"Proud of Our New Enclosed Porch"



Freight, Express and

Freight Rates

The Freight Tables Below

The tables below show the freight rates per 100 lbs. on shipments from Chicago to properly distributed cities in each state. The railroad companies use these cities as a basis for figuring freight rates to the town in the immediate vicinity of the cities given. By referring to the classification and the freight tables below, you can come within a few cents of the correct freight rate to your town from Chicago on less than car loads. Carload rates furnished on application.

How to Figure Freight Charge

First look through the classification table directly below and find what class covers the merchandise you wish shipped; then refer to the table of freight rates to the nearest town to your shipping point. Follow the line of that town to the column showing the classification of the goods you wish shipped, and this will give you the freight rate per 100 lbs. within a few cents of the actual charge.

Express Rates

The Express Rates Below

In the table below you will find the latest express rates per 100 lbs. on shipments from Chicago to well distributed cities in each state. You can use these cities to figure charges to your town. Look over the table and find the city nearest to you. If you wish to know the exact express charges on any article in this book to your station, write us, or ask your express agent.

Classification of Material and Merchandise When Shipped by Freight

The railroad companies discriminate in the goods to be shipped and classify them as shown in the tables below in four different classifications. This is how they base the freight rates on all merchandise to every section of the country.

In order that you can figure the correct freight rate to your station, we have classified merchandise which will cover shipment of almost any nature. If you are unable to find the particular article you wish shipped, find that which nearest resembles it.

If in Doubt Write for Prepaid Prices. We Guarantee Safe Delivery.

Class	Class	Class	Class	Class	Class
Angle Bars and Plates... 4	Buckets, Building, Conveying, Dredging and Dump Hoisting... 2	Corn Shellers, Power... 1	Furnace, Castings... 3	Lavatories, Iron or Steel... 2	Ridge Roll Metal... 2
Anvils... 4	Buffets and China Closets or Sideboards Combined... 1 1/2 T1	Cream Separators, Centrifugal... 2	Furnace, Heating... 3	Lavatories, Iron Basins or Bowls... 2	Roofing, Iron... 4
Anvil, Vise and Drill Comb... 3	Cabinets, China... *D1	Doors, Wood, Glazed... 1	Gates, Wood, Iron or Wire... 3	Lumber LCL... 4	Range Boilers... 3
Asbestos Felt or Paper... 3	Cabinets, Kitchen... D1	Doors, Wood, Not Glazed... 3	Gates, Wood and Iron Comb... 1	Machinery... 1	Roofing, Prepared... 4
Asbestos Roofing... 4	Cabinets, Medicine, Toilet, Bathroom or Lavatory... 1	Doors, Vault... 2	Glass Comm. Window Boxed... 3	Mantels, Wooden... 2	Rope, Wire... 4
Asphalt Shingles... 4	Cabinets, Stove or Range... 1	Drain Boards and Sinks, Backs Combinations... 1	Glass, Plate, not bent, 120 in. or under... 1	Nails, Iron or Steel... 4	Safes, Iron... 2
Asphalt Paint in Wood... 3	Cabinets, Wall... 1 1/2 T1	Drain Boards, Iron or Steel... 3	Exceeding 120 in. but not over 15 ft... 1	Paint in kits or pails... 4	Shingles, Wooden... 4
Barb Wire... 4	Casings, Boiler... 4	Eave Troughs... 1	Hardware... 2	Paper, Building... 3	Sash, Glazed... 4
Barn Door Hanger Rails... 3	Columns, Wooden... 3	Electric Fixtures... 1	Hay Presses... 1	Paper, Roofing... 3	Sash, Unglazed... 3
Barrows, Wheel... *1 1/2 T1	Columns, Iron or Steel... 4	Fence Gates, iron or steel... 4	Houses, Portable... 2	Pipe Fittings... 4	Stoves, Coal and Wood... 3
Basins, Lavatory Iron... 2	Concrete Block Machines... 1	Fence Post, iron or steel... 4	Huskers, Corn, Power... 1	Pipe Iron... 4	Wallboard... 3
Bath Tubs, Iron & Steel... 1	Conductor Pipe... 1	Fittings, Bath Tub... 2	Jack Screws... 1	Plasterboard... 3	Water Heaters... 2
Bath Tub Fittings... 2	Console Mirrors... 1	Fittings, Lavatory... 2	Lath, Wooden... 4	Posts, Iron or Steel... 4	Wire, Barbed... 4
Bathroom Cabinets... 1	Corn Shellers, hand... 2	Floors, Tile... 2	Lathing, Metal... 4	Posts, Wooden... 4	Wire Gates... 3
Bells... 1		Flues, Boiler... 4		Radiators, Hot Water or Steam... 3	Water Closet Bowls, Iron... 3
Belting... 2		Forges, Portable... 1		Radiators, Hot Water or Steam... 3	Water Fencing... 3
Blowers, Air... 1				Range, Boiler Stands... 2	*1 1/2 T1 Means 1 1/2 times 1st class.
Boilers, Heating Iron or Steel... 2					*D1 Means Double 1st class.

Freight and Express Rates Below are for 100 lbs. to Towns in Each State

FREIGHT RATES						FREIGHT RATES						FREIGHT RATES					
From Chicago to	1st Class per 100lbs.	2nd Class per 100lbs.	3rd Class per 100lbs.	4th Class per 100lbs.	EX-PRESS per 100lbs.	From Chicago to	1st Class per 100lbs.	2nd Class per 100lbs.	3rd Class per 100lbs.	4th Class per 100lbs.	EX-PRESS per 100lbs.	From Chicago to	1st Class per 100lbs.	2nd Class per 100lbs.	3rd Class per 100lbs.	4th Class per 100lbs.	EX-PRESS per 100lbs.
ALABAMA—						LOUISIANA—						OKLAHOMA—					
Birmingham	\$1.78	\$1.51	\$1.25	\$0.98	\$3.60	Lake Charles	\$2.46	\$2.09	\$1.72	\$1.35	\$4.65	Binta	\$1.85	\$1.57	\$1.30	\$1.02	\$3.60
Brewton	2.09	1.78	1.46	1.15	4.10	New Orleans	2.15	1.83	1.51	1.18	4.25	Oklahoma City	2.15	1.83	1.51	1.18	4.25
Mobile	2.06	1.75	1.44	1.13	4.05	Shreveport	2.20	1.87	1.54	1.21	4.30	OREGON—					
Montgomery	1.91	1.62	1.34	1.05	3.85	MAINE—						Portland	5.10	4.43	3.68	3.11	9.65
ARIZONA—						MARYLAND—						PENNSYLVANIA—					
Phoenix	4.35	3.77	3.14	2.63	8.15	To All Points	1.49	1.31	.99	.70	4.65	Harrisburg	1.39	1.22	.92	.63	3.50
Tucson	4.35	3.77	3.14	2.63	7.70	Baltimore	1.39	1.22	.92	.63	3.60	Philadelphia	1.40	1.23	.93	.64	3.60
ARKANSAS—						MASSACHUSETTS						PITTSBURGH—					
Arkansas City	2.02	1.72	1.41	1.11	3.70	To All Points	1.49	1.31	.99	.70	3.95	Scranton	1.40	1.23	.93	.64	3.60
Fort Smith	2.02	1.72	1.41	1.11	3.80	MICHIGAN—						RHODE ISLAND—					
Hot Springs	1.95	1.66	1.37	1.07	3.85	Bessemer	.99	.84	.68	.49	2.95	To All Points	1.49	1.31	.99	.70	4.00
Little Rock	1.85	1.57	1.30	1.02	3.60	Detroit	.79	.68	.53	.40	2.05	SO. CAROLINA—					
Texarkana	2.15	1.83	1.51	1.18	4.15	Grand Rapids	.73	.62	.49	.37	1.65	Charleston	2.26	1.92	1.58	1.24	4.35
CALIFORNIA—						MINNESOTA—						GREENVILLE—					
Bakersfield	5.10	4.43	3.68	3.11	9.60	Traverse City	.91	.78	.61	.46	2.05	Sumter	2.15	1.83	1.51	1.18	4.20
Los Angeles	5.10	4.43	3.68	3.11	9.60	Aitkin	1.48	1.25	1.01	.71	3.35	SOUTH DAKOTA—					
San Francisco	5.10	4.43	3.68	3.11	9.95	Crookston	1.83	1.56	1.29	1.01	4.00	Aberdeen	1.74	1.45	1.02	.76	4.00
COLORADO—						MONTANA—						UTAH—					
Denver	2.74	2.21	1.67	1.30	4.90	Billings	3.75	3.14	2.54	2.04	5.65	Bellefourche	2.95	2.46	2.06	1.67	4.60
Durango	4.71	3.80	3.01	2.25	6.40	Glasgow	3.38	2.88	2.33	1.78	5.45	St. Louis	1.37	1.17	.91	.65	3.30
Grand Junction	3.98	3.35	2.77	2.23	6.30	Hailey	3.75	3.21	2.61	2.04	6.05	Watertown	1.46	1.25	.97	.69	3.65
Julesburg	2.56	2.13	1.43	1.29	4.50	Havre	3.98	3.39	2.78	2.24	6.70	TENNESSEE—					
Leadville	3.98	3.33	2.67	2.03	5.50	Helena	4.13	3.53	2.90	2.36	7.20	Chattanooga	1.70	1.45	1.19	.94	3.40
CONNECTICUT—						MISSISSIPPI						TEXAS—					
To All Points	1.49	1.31	.99	.70	3.95	Hattiesburg	2.00	1.70	1.40	1.10	3.95	Jackson	1.35	1.15	.95	.74	3.05
DELAWARE—						Jackson	1.87	1.59	1.31	1.03	3.80	Knoxville	1.62	1.38	1.13	.89	3.25
Dover	1.42	1.25	.95	.66	3.70	Natchez	2.03	1.73	1.42	1.12	4.05	Memphis	1.49	1.27	1.04	.82	3.20
DISTRICT OF COLUMBIA—						MISSOURI—						NASHVILLE—					
Washington	1.40	1.23	.92	.64	3.60	Kansas City	1.20	1.02	.84	.60	3.00	Dallas	2.46	2.09	1.72	1.35	4.55
FLORIDA—						MONTANA—						EL PASO—					
Jacksonville	2.39	2.03	1.67	1.31	4.55	Billings	3.75	3.14	2.54	2.04	5.65	El Paso	3.35	2.85	2.35	1.84	6.45
Miami	3.03	2.58	2.12	1.67	5.85	Glasgow	3.38	2.88	2.33	1.78	5.45	Fort Worth	2.46	2.09	1.72	1.35	4.65
Pensacola	2.15	1.83	1.51	1.18	4.20	Havre	3.75	3.21	2.61	2.04	6.05	Houston	2.63	2.24	1.84	1.45	4.85
Tallahassee	2.30	1.96	1.61	1.27	4.30	Kalispell	4.13	3.53	2.90	2.36	7.20	San Antonio	2.73	2.32	1.91	1.50	5.50
Tampa	2.74	2.33	1.92	1.51	5.10	Miles City	3.38	2.88	2.33	1.77	5.00	UTAH—					
GEORGIA—						NEBRASKA—						VERMONT—					
Atlanta	1.91	1.62	1.34	1.05	3.70	Lincoln	1.28	1.13	.93	.68	3.35	To All Points	1.49	1.31	.99	.70	3.95
Augusta	2.12	1.80	1.48	1.17	4.20	North Platte	2.37	1.98	1.50	1.19	4.20	VIRGINIA—					
Macon	2.03	1.73	1.42	1.12	4.00	Omaha	1.20	1.02	.84	.60	3.15	Bristol	1.74	1.48	1.22	.96	3.60
Savannah	2.30	1.96	1.61	1.27	4.40	NEVADA—						Covington	1.39	1.22	.92	.63	3.50
Waycross	2.30	1.96	1.61	1.27	4.20	Austin	5.37	4.75	4.09	3.49	8.50	Danville	1.72	1.46	1.20	.95	3.65
IDAHO—						NEW HAMPSHIRE						NORFOLK—					
Boise	4.22	3.62	3.00	2.49	8.10	Carson City	4.65	4.04	3.39	2.87	9.10	Norfolk	1.39	1.22	.92	.63	3.95
Pocatello	3.98	3.35	2.78	2.24	7.00	NEW JERSEY—						Richmond	1.39	1.22	.92	.63	3.70
ILLINOIS—						NEW MEXICO—						WINCHESTER—					
Cairo	.89	.76	.60	.45	2.45	Atlantic City	1.47	1.30	1.00	.71	3.80	Winchester	1.39	1.22	.92	.63	3.25
Joliet	.42	.36	.28	.21	1.05	Trenton	1.42	1.25	.95	.66	3.80	WASHINGTON—					
Rock Island	.67	.57	.45	.34	1.65	NEW MEXICO—						Olympia	5.10	4.43	3.68	3.11	9.45
Springfield	.71	.61	.48	.36	1.85	Gallup	4.13	3.50	2.90	2.48	6.45	Seattle	5.10	4.43	3.68	3.11	9.45
INDIANA—						NEW YORK—						SPokane—					
Evansville	.81	.69	.54	.41	2.05	Santa Fe	3.35	2.83	2.28	1.91	5.65	Spokane	4.33	3.77	3.14	2.63	8.15
Fort Wayne	.64	.54	.43	.33	1.65	Silver City	3.90	3.32	2.73	2.34	6.90	Yakima	4.75	4.13	3.42	2.88	8.80
Indianapolis	.71	.61	.48	.36	1.65	NEW YORK—						WEST VIRGINIA—					
Richmond	.76	.64	.51	.38	2.05	Albany	1.36	1.20	.91	.64	3.70	Charleston	.98	.83	.66	.49	2.80
South Bend	.53	.45	.36	.27	1.25	Buffalo	.98	.83	.66	.49	2.95	Charlestown	1.39	1.22	.92	.63	3.50
IOWA—						N. CAROLINA—						ELKHORN—					
Des Moines	.92	.73	.55	.42	2.45	Raleigh	1.84	1.56	1.29	1.01	3.90	Elkhorn	1.39	1.22	.92	.63	3.10
Fort Dodge	.99	.79	.60	.45	2.70	Wilmington	2.04	1.73	1.43	1.12	4.10	Elkins	1.14	1.00	.76	.54	3.50
Sioux City	1.20	1.02	.84	.60	3.30	NORTH DAKOTA—						New Cumberland	.98	.83	.66	.49	2.65
KANSAS—						OHIO—						PARKERSBURG—					
Dodge City	2.21	1.88	1.55	1.22	4.25	Bismarck	2.44	2.06	1.63	1.19	4.40	Parkersburg	.95	.81	.64	.48	2.65
Great Bend	1.98	1.68	1.39	1.09	3.95	Fargo	1.65	1.40	1.18	.91	3.65	Wheeling	.98	.83	.66	.49	2.65
Topeka	1.66	1.41	1.16	.91	3.20	Grand Forks	2.83	2.56	2.29	1.94	5.15	WISCONSIN—					
Wichita	1.89	1.61	1.32	1.04	3.85	Minot	2.67	2.27	1.80	1.35	4.55	Ashtland	1.06	.90	.74	.53	2.95
KENTUCKY—						OHIO—						LA CROSSE—					
Frankfort	1.32	1.12	.92	.73	2.30	Cincinnati	.81	.69	.54	.41	2.05	La Crosse	.76	.64	.51	.38	1.95
Hopkinsville	1.19	1.01	.83	.65	2.50	Columbus	.84	.71	.57	.43	2.45	Madison	.60	.51	.40	.30	1.45
Louisville	.84	.71	.57	.43	2.05	Toledo	.76	.65	.52	.39	1.85	Marquette	.66	.55	.45	.35	2.50
Morehead	1.53	1.28	1.00	.73	2.50							Milwaukee	.52	.45	.35	.26	1.45

Parcel Post Shipments

Parcel Post Shipments

PARCEL POST ZONE RATES ON SHIPMENTS FROM CHICAGO

Package Weight in Pounds	Local	1 and 2	3	4	5	6	7	8
		Not Over 150 Miles From Chicago	151 to 300 Miles From Chicago	301 to 600 Miles From Chicago	601 to 1,000 Miles From Chicago	1,001 to 1,400 Miles From Chicago	1,401 to 1,800 Miles From Chicago	Over 1,800 Miles From Chicago
1	\$0.07	\$0.07	\$0.08	\$0.08	\$0.09	\$0.10	\$0.12	\$0.13
2	.08	.08	.10	.12	.15	.18	.22	.25
3	.08	.09	.12	.16	.21	.26	.32	.37
4	.09	.10	.14	.20	.27	.34	.42	.49
5	.09	.11	.16	.24	.33	.42	.52	.61
6	.10	.12	.18	.28	.39	.50	.62	.73
7	.10	.13	.20	.32	.45	.58	.72	.85
8	.11	.14	.22	.36	.51	.66	.82	.97
9	.11	.15	.24	.40	.57	.74	.92	1.09
10	.12	.16	.26	.44	.63	.82	1.02	1.21
11	.12	.17	.28	.48	.69	.90	1.12	1.33
12	.13	.18	.30	.52	.75	.98	1.22	1.45
13	.13	.19	.32	.56	.81	1.06	1.32	1.57
14	.14	.20	.34	.60	.87	1.14	1.42	1.69
15	.14	.21	.36	.64	.93	1.22	1.52	1.81
16	.15	.22	.38	.68	.99	1.30	1.62	1.93
17	.15	.23	.40	.72	1.05	1.38	1.72	2.05
18	.16	.24	.42	.76	1.11	1.46	1.82	2.17
19	.16	.25	.44	.80	1.17	1.54	1.92	2.29
20	.17	.26	.46	.84	1.23	1.62	2.02	2.41
21	.17	.27	.48	.88	1.29	1.70	2.12	2.53
22	.18	.28	.50	.92	1.35	1.78	2.22	2.65
23	.18	.29	.52	.96	1.41	1.86	2.32	2.77
24	.19	.30	.54	1.00	1.47	1.94	2.42	2.89
25	.19	.31	.56	1.04	1.53	2.02	2.52	3.01
26	.20	.32	.58	1.08	1.59	2.10	2.62	3.13
27	.20	.33	.60	1.12	1.65	2.18	2.72	3.25
28	.21	.34	.62	1.16	1.71	2.26	2.82	3.37
29	.21	.35	.64	1.20	1.77	2.34	2.92	3.49
30	.22	.36	.66	1.24	1.83	2.42	3.02	3.61
31	.22	.37	.68	1.28	1.89	2.50	3.12	3.73
32	.23	.38	.70	1.32	1.95	2.58	3.22	3.85
33	.23	.39	.72	1.36	2.01	2.66	3.32	3.97
34	.24	.40	.74	1.40	2.07	2.74	3.42	4.09
35	.24	.41	.76	1.44	2.13	2.82	3.52	4.21
36	.25	.42	.78	1.48	2.19	2.90	3.62	4.33
37	.25	.43	.80	1.52	2.25	2.98	3.72	4.45
38	.26	.44	.82	1.56	2.31	3.06	3.82	4.57
39	.26	.45	.84	1.60	2.37	3.14	3.92	4.69
40	.27	.46	.86	1.64	2.43	3.22	4.02	4.81
41	.27	.47	.88	1.68	2.49	3.30	4.12	4.93
42	.28	.48	.90	1.72	2.55	3.38	4.22	5.05
43	.28	.49	.92	1.76	2.61	3.46	4.32	5.17
44	.29	.50	.94	1.80	2.67	3.54	4.42	5.29
45	.29	.51	.96	1.84	2.73	3.62	4.52	5.41
46	.30	.52	.98	1.88	2.79	3.70	4.62	5.53
47	.30	.53	1.00	1.92	2.85	3.78	4.72	5.65
48	.31	.54	1.02	1.96	2.91	3.86	4.82	5.77
49	.31	.55	1.04	2.00	2.97	3.94	4.92	5.89
50	.32	.56	1.06	2.04	3.03	4.02	5.02	6.01
51	.32	.57	1.08					
52	.33	.58	1.10					
53	.33	.59	1.12					
54	.34	.60	1.14					
55	.34	.61	1.16					
56	.35	.62	1.18					
57	.35	.63	1.20					
58	.36	.64	1.22					
59	.36	.65	1.24					
60	.37	.66	1.26					
61	.37	.67	1.28					
62	.38	.68	1.30					
63	.38	.69	1.32					
64	.39	.70	1.34					
65	.39	.71	1.36					
66	.40	.72	1.38					
67	.40	.73	1.40					
68	.41	.74	1.42					
69	.41	.75	1.44					
70	.42	.76	1.46					

Insurance

A mailable parcel on which the postage is fully prepaid may be insured against loss in an amount equivalent to its actual value, as follows:

Insurance	Fee
\$ 5.00	5c
25.00	8c
50.00	10c
100.00	25c

Return receipts, 3c additional.

Such postage and fee must be prepaid by stamps affixed to the parcel. Such mail may be insured at any post office or station thereof, or by rural carriers, but must not be deposited in street mail boxes or in mail drops at post offices.

Small Packages

Small packages weighing up to 8 ounces are carried at the rate of 1½c for each 2 ounces, regardless of distance. Packages weighing more than 8 ounces and up to one pound are mailable at the pound rate.

Rates Are by the Pound

The table at the left shows rates by the pound, a fraction of a pound being considered a full pound. Should a package weigh 5½ pounds, its rate would be the next higher pound rate or 6 pounds.

How to Figure Postage

Knowing the zone in which you live from Chicago and the approximate weight of the package to be mailed to you, it is easy to figure, within a few cents, the amount of postage necessary. For example, a package weighing 6 pounds to be mailed to the 5th zone: Locate the figure 6 in column under pounds, then to the right of the figure 6 under column headed Zone 5 is the rate of \$0.39, the amount of postage necessary.

Postage

A sufficient amount of money to cover postage must accompany your order. Should the amount you send be too much, we will return the balance.

Size Limit of Packages

Parcels must not exceed in size 84 inches in length and girth combined. In measuring the length, the greatest distance in a straight line between the two ends of the parcel should be taken, while the girth is the actual measurement of a tape encircling the parcel at its thickest part.

Packages too large to be mailed as Parcel Post can be shipped by Freight or Express. See opposite page.

Weight Limit of Packages

The zone rate table at the left shows the cost of mailing Parcel Post packages from Chicago to all points in the United States. The weight limit on packages mailed to the local, 1st, 2nd and 3rd zones is 70 lbs., for all other zones the limit is 50 lbs. For packages weighing in excess of 50 lbs., to be delivered to a point outside of zone 3, and for all packages over 70 lbs., see Freight and Express rate table on opposite page.

We Guarantee Safe Delivery

We guarantee safe delivery on all packages shipped by parcel post and will immediately replace any damaged article or merchandise. Upon receipt of written notice from you, giving order number and description thereof, we will promptly mail you new merchandise and reimburse you for the amount of postage necessary to return the damaged articles to us.

Special Delivery

A Parcel Post package will be accorded the usual special delivery service when a special delivery stamp or ordinary stamps for the proper amount as stated below are affixed thereto in addition to the regular postage. When ordinary stamps are used, the words "Special Delivery" must be placed on the wrapper.

Special Delivery Fees: Not exceeding 2 lbs., 10c; over 2 lbs. up to 10 lbs., 15c; over 10 lbs., 20c.

WHEN YOU ORDER from this Book

USE OUR ORDER BLANK

This will help us when
filling your order and
prevents delays.

The illustrations are exact reproductions of the merchandise itself. Every article has been described in a clear, concise manner, giving the required information to enable you to make proper selections.

Although we receive thousands of orders daily from our customers located in every state, each order is given prompt individual attention and every effort made to fill these orders quickly and correctly. To help us maintain this service, we ask your cooperation by reading the following instructions carefully before filling in your order blank.

USE THE INDEX

You'll save time in lo-
cating and making your
selections.

Our Terms

Unless otherwise stated our terms are uniformly cash with order. That means we always require cash in part or in full, depending upon our offers in this book or our special letter quotations. Shipment will be made C. O. D., provided a deposit of 25% accompanies your order, balance to be paid C. O. D., except if you live at a point where there is no freight agent, in which event cash in full must accompany your order together with enough money to cover transportation charges.

Remittances

Wherever possible include cash in full with your order in conformity with our regular terms. Postoffice money orders, express money orders, bank drafts, cash by registered mail, postage stamps or your personal check are acceptable. Where possible avoid sending cash by mail.

If you are forced to enclose cash be sure to register your letter. We are not responsible for cash lost in the mails.

Your Order Will be
Shipped
the Most Economical Way

To Insure Quick Service

When ordering merchandise from the pages of this book, use the enclosed order blank. Write your name, postoffice and shipping address plainly and list the articles of merchandise you need, giving catalog number, sizes, finishes, colors, etc. All orders from the same home should be sent to us always under the same name, preferably the name of the head of the family.

Kindly notify us at once if you change your address. This will enable us to send your mail, orders and catalogs to the correct address.

If you have occasion to return anything to us, please pack or wrap it carefully and place your letter of instructions in the package.

Write in Any Language

We maintain a foreign department and your orders will be given prompt, careful attention.

Shipments

All merchandise too bulky for Parcel Post will be shipped via Freight or express. Consult the preceding pages for rates and other information. Always enclose with your order enough postage stamps or money to cover cost of Parcel post mailing. Unless otherwise stated, all prices quoted in this book are F. O. B. cars, Chicago.

Club Orders

By "pooling" your order with your neighbors, combining their orders with yours, you can make a substantial saving in transportation charges as transportation charges are much lower on large shipments.

No Truck Deliveries

Prices in this, our mail order catalog are f. o. b. cars Chicago unless otherwise stated, and are for shipment by Freight, Express or Parcel Post only.

We Pack and Crate
Carefully
Safe Delivery Guaranteed

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Attractive Front Entrance



THIS inviting entrance will give your home a touch of friendliness and hospitality. That part of the frame above the door and sidelights, which includes the transom bar and head jamb, is completely assembled and reaches you in one piece. Nail the jambs and sill to the head and the frame is complete. Door, transom and sidelights are more fully described in the following pages of this book.

10-B-360 Colonial Entrance Frame \$37⁵⁰ Made of Clear KILN DRIED FIR. For Frame Construction.

COMPLETE FRONT ENTRANCE, AS ILLUSTRATED

Cat. No.	DESCRIPTION	Price, Each
10-B-324	Colonial Door 3'0"x7'0"—1 3/4" White Pine.....	\$ 6.93
10-B-206	Sidelight 1'2"x7'0"—1 3/4" Glazed Leaded Glass.....	7.87
10-B-206	ditto (Note—Two sidelights needed).....	7.87
10-B-407	Transom 6'0"x1'2"—1 3/4" Glazed Leaded Glass.....	18.50
10-B-360	Fir Outside Frame for Wood Buildings.....	37.50
10-B-365	Complete Front Entrance consisting of above items —no hardware included.....	\$78.67

Come to you in natural wood smoothly sanded, ready for paint.

DOOR, sidelights and transom are made of the finest Clear White Pine. Sidelights and transom are glazed with clear Leaded Glass in an artistic new shell pattern as illustrated. Frame is made of Clear Douglas Fir, known for its weather resisting qualities. Outside casings are 1 1/8 inches thick. Other parts are in correct proportion for wood buildings with 2x4 studs.

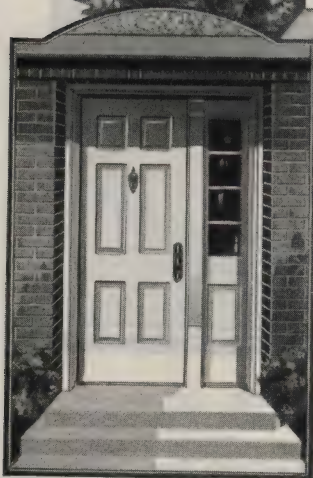
Modern Front Entrance



10-B-464 "NORTH SHORE" FRONT ENTRANCE FRAME

Made of clear kiln dried Fir. For Brick construction.
(For frame construction see opposite page.)

\$11⁴⁷



One Sidelight Entrance Frame

10-B-484. Clear Fir Outside Frame Only for door and one sidelight. 10½-inch jamb for 13-inch brick wall. Carefully machined, ready to set up.....**\$8.65**

When ordering, specify whether sidelight is to be on right hand or left hand side when facing building.

THE importance of harmony in the entrance cannot be emphasized too strongly, as the entire home is dominated by its appearance. Sidelights help wonderfully to brighten the entrance and give additional light in the vestibule or hallway. Where space is limited one sidelight can be used with entrance door to very good effect.

Door and Sidelights are made from clear White Pine. Sidelights are glazed with first quality, clear plain glass held in place with wood stops.

FRAME is made from clear Douglas Fir, carefully machined, ready to nail together. Frame has a 10½-inch jamb for a 13-inch brick wall. For Front Entrance Frames for wood buildings see next page.

COMPLETE FRONT ENTRANCE AS ILLUSTRATED

Cat. No.	DESCRIPTION	Price, Ea.
10-B-324	Colonial Door 3'0"x7'0"—1¾" W. Pine.....	\$ 6.93
10-B-204	Sidelight 1'2"x7'0"—1¾" Glazed Clear.....	4.75
10-B-204	ditto (note two sidelights needed).....	4.75
10-B-464	Fir Outside Frame for brick buildings.....	11.47
10-B-366	Complete Front Entrance consisting of above items— No hardware included.....	\$27.90

Come to you in natural wood smoothly sanded, ready for paint

Inviting Front Entrance



10-B-460—"ENGLEWOOD" FRONT ENTRANCE FRAME

Made of clear kiln dried Fir. For frame building construction. (For brick construction see opposite page.)

\$9²⁵

FRAME is made from clear Douglas Fir, carefully machined, ready to nail together. Frame has $1\frac{1}{8}$ -inch thick outside casing, other members in proper proportion for wood buildings with 2x4 studs. **Be sure to state wood wanted.**

THE beauty of any home is enhanced by this impressive entrance. This beautiful design will appear to advantage with any style of home. Each part is of finest materials, very durably made and will retain its attractiveness over a long period of time. This door and sidelight can also be had glazed with clear plain glass. Other doors and sidelights can be used in this frame.

COMPLETE FRONT ENTRANCES AS ILLUSTRATED

Catalog No.	DESCRIPTION	Price, Each, White Pine	Price, Each, Red Oak
10B8170	Door 3'0"x7'0"— $1\frac{1}{4}$ " Glazed Bev. Plate....	\$27.04	\$29.07
10B4060	Sidelight 1'2"x7'0"— $1\frac{1}{4}$ " Glazed Bev. Plate	12.34	17.33
10B4060	ditto (note two sidelights needed)....	12.34	17.33
10B 460	Fir outside frame for wood buildings.....	9.25	9.25
10B4090	Complete Front Entrance consisting of above items. No hardware included....	\$60.97	\$72.98

Come to you in natural wood smoothly sanded, ready for paint.



One Sidelight Entrance Frame

10-B-480. Clear Fir Outside Frame Only for door and one sidelight. $1\frac{1}{8}$ -inch thick outside casing, other members in proper proportion for wood buildings with 2x4 studs. Carefully machined, ready to set up.....

\$6.95

When ordering, specify whether sidelight is to be on right hand or left hand side when facing building.

Oak and Birch Entrance Doors!

Distinctively modern front doors. The finest veneered hardwood doors made, specially selected for beauty of grain and is very attractive when varnished or stained.

NOTE:

All doors come to you in the natural wood; smoothly sanded and ready for paint, enamel, stain or varnish.

Added Beauty for Your Home

Our high standard of materials and workmanship make these doors desirable for the finest home. Veneered construction is the best for hardwood doors. Special waterproof glue used. Glazed with finest Beveled Plate Glass or first quality Clear Plain Glass. Wood stops used to hold glass in place. Carefully shipped to reach you in perfect condition. Glass sizes in "Dickens" Door same as "American Beauty" Door. Average shipping weight of these doors 110 lbs.

Dickens

SIZES 1 1/4 Inches Thick		Red Oak		Northern Birch	
Width Ft. In.	Height Ft. In.	10B156 Glazed Clear Glass	10B1560 Glazed Beveled Plate	10B157 Glazed Clear Glass	10B1570 Glazed Beveled Plate
2-8	6-8	\$12.66	\$23.60	\$10.68	\$21.62
3-0	6-8	13.61	26.86	11.49	24.73
3-0	7-0	14.08	28.86	11.83	26.62

Shakespeare

SIZES 1 1/4 Inches Thick		Red Oak		Glass Sizes in Inches
Width Ft. In.	Height Ft. In.	10B217 Glazed Clear Glass	10B2170 Glazed Beveled Plate	
2-8	6-8	\$15.71	\$29.07	22x56
3-0	6-8	16.23	29.57	26x56
3-0	7-0	16.75	30.11	26x60



Mozart



Keystone



American Beauty

SIZES 1 1/4 Inches Thick		Red Oak		Northern Birch		Glass Sizes in Inches
Width Ft. In.	Height Ft. In.	10B264 Glazed Clear Glass	10B2640 Glazed Beveled Plate	10B740 Glazed Clear Glass	10B7400 Glazed Beveled Plate	
2-8	6-8	\$10.56	\$17.57	\$8.33	\$15.35	22x40
3-0	6-8	11.60	19.52	9.08	17.06	26x40
3-0	7-0	12.34	21.35	9.72	18.73	26x44

SIZES 1 1/4 Inches Thick		Red Oak		Northern Birch		Glass Sizes in Inches
Width Ft. In.	Height Ft. In.	10B447 Glazed Clear Glass	10B4470 Glazed Beveled Plate	10B449 Glazed Clear Glass	10B4490 Glazed Beveled Plate	
2-8	6-8	\$12.61	\$15.71	\$ 9.97	\$13.07	22x18
3-0	6-8	13.51	17.31	10.23	14.44	26x18
3-0	7-0	14.17	17.97	10.58	14.79	26x18

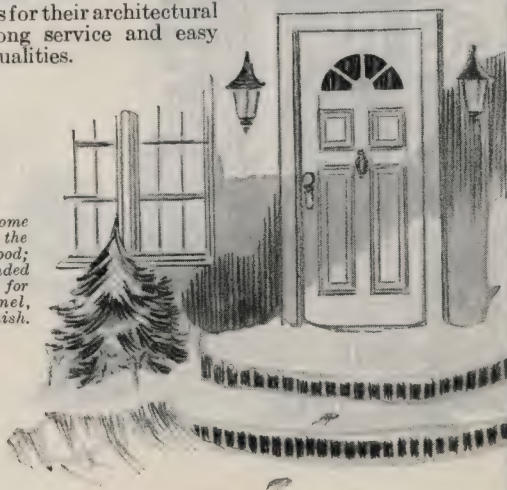
SIZES 1 1/4 Inches Thick		Red Oak		Northern Birch		Glass Sizes in Inches
Width Ft. In.	Height Ft. In.	10B100 Glazed Clear Glass	10B1000 Glazed Beveled Plate	10B251 Glazed Clear Glass	10B2510 Glazed Beveled Plate	
2-8	6-8	\$10.98	\$20.59	\$ 9.00	\$18.61	22x56
3-0	6-8	11.95	22.80	9.82	20.68	26x56
3-0	7-0	12.41	24.39	10.16	22.14	26x60

Finest White Pine Entrance Doors!

The choice of discriminating buyers. Our White Pine Doors are famous for their architectural beauty, long service and easy working qualities.

NOTE:

All doors come to you in the natural wood; smoothly sanded and ready for paint, enamel, stain or varnish.



Unusually Well Constructed

The Front Entrance is the "first impression" of your home. These distinctive designs are widely used in the finest homes, being attractive yet very durable. Only the choicest white pine lumber is used in manufacturing these doors. Workmanship is the very best. Finest Beveled Plate Glass or Clear Plain Glass. Wood Glass stops. Waterproof glue. Average shipping weight 80 lbs.

Pansy

SIZES 1 1/4 Inches Thick		10B523 Glazed Clear Glass	10B5230 Glazed Beveled Plate	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.			
2-6	6-8	\$7.22*	\$15.64*	22x46
2-8	6-10	7.75*	16.67*	24x48
3-0	7-0	7.97*	18.05*	26x50

Beverly

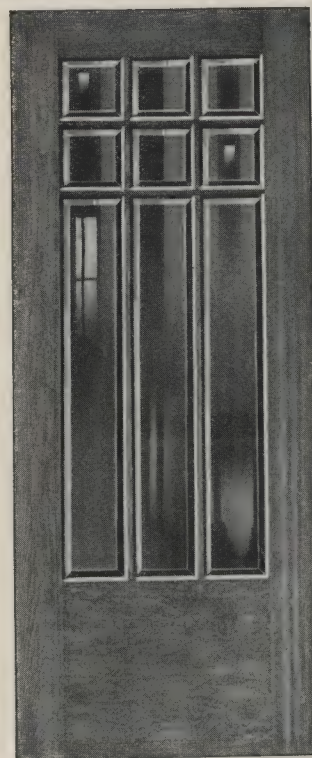
SIZES 1 1/4 Inches Thick		10B130 Glazed Clear Glass	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.		
2-8	6-8	\$13.30	22x11
3-0	6-8	13.90	26x13
3-0	7-0	14.44	26x13



Honeysuckle



Lilac



Belmont

SIZES 1 1/4 Inches Thick		10B215 Glazed Clear Glass	10B2150 Glazed Beveled Plate	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.			
2-6	6-6	\$5.90	\$13.05	20x54
2-8	6-8	6.03*	15.03*	22x56
2-10	6-10	6.70*	16.83*	24x58
3-0	7-0	6.64*	16.11*	22x60
3-0	7-0	6.98*	18.20*	26x60

SIZES 1 1/4 Inches Thick		10B408 Glazed Clear Glass	10B4080 Glazed Beveled Plate	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.			
2-6	6-6	\$4.90	\$10.94	20x44
2-8	6-8	5.14*	12.21*	22x46
2-10	6-10	5.53*	13.73*	24x48
3-0	7-0	5.90*	15.36*	26x50

SIZES 1 1/4 Inches Thick		10B624 Glazed Clear Glass	10B6240 Glazed Beveled Plate	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.			
2-6	6-6	\$7.07	\$17.21	20x54
2-8	6-8	7.38*	17.31*	22x56
2-10	6-10	8.01*	18.60*	24x58
3-0	7-0	7.07*	18.48*	22x60
3-0	7-0	8.27*	19.31*	26x60

★Indicates doors which can be furnished 1 1/4 in. thick at \$2.00 extra

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

Bungalow Designs in Fir Doors!

These splendid Bungalow designs find great favor with many builders and are widely used with modern homes of every type. Every piece of material in these doors has been carefully picked for grain and color. Their modern design and superior construction insure best service over a long period of time.

NOTE:

All doors come to you in the natural wood; smoothly sanded and ready for paint, enamel, stain or varnish.

Montesano

SIZES			10-B-640	10-B-6400	Glass
Width	Height	Thick-	Glazed	Glazed	Sizes
Ft. In.	Ft. In.	ness, In.	Clear	Beveled	in
			Glass	Plate	Inches
2-8	6-8	1 3/8	\$4.97	\$7.92	22x22
2-8	7-0	1 3/8	5.38	8.48	22x22
2-8	6-8	1 3/4	6.39	9.06	22x22
3-0	6-8	1 3/4	6.77	10.15	26x22
2-8	7-0	1 3/4	6.74	9.69	22x22
3-0	7-0	1 3/4	7.27	10.59	26x22

Finest Doors Made

Carefully made from best materials. Beautiful, three-ply laminated panels with solid stiles and rails. Glazed with first quality Clear Plain Glass, or finest Beveled Plate Glass; held in place with wood glass stops. Waterproof glue.

Average shipping weight of doors on this page, 85 pounds.



Aberdeen

SIZES			10-B-644	10-B-6440	Glass
Width	Height	Thick-	Glazed	Glazed	Sizes
Ft. In.	Ft. In.	ness, In.	Clear	Beveled	in
			Glass	Plate	Inches
2-8	6-8	1 3/8	\$5.85	\$8.33	22x17 3/4
2-8	6-8	1 3/4	7.12	9.47	22x17 3/4
2-10	6-8	1 3/4	7.44	10.03	24x17 3/4
3-0	6-8	1 3/4	7.66	10.63	26x17 3/4
3-0	7-0	1 3/4	8.16	11.08	26x17 3/4



Westwood

SIZES			10-B-646	10-B-6460	Glass
Width	Height	Thick-	Glazed	Glazed	Sizes
Ft. In.	Ft. In.	ness, In.	Clear	Beveled	in
			Glass	Plate	Inches
2-8	6-8	1 3/8	\$7.92	\$11.57	22x22
2-8	7-0	1 3/8	8.27	11.88	22x22
2-8	6-8	1 3/4	9.20	12.71	22x22
3-0	6-8	1 3/4	9.70	13.96	26x22
2-8	7-0	1 3/4	9.62	13.09	22x22
3-0	7-0	1 3/4	10.20	14.41	26x22

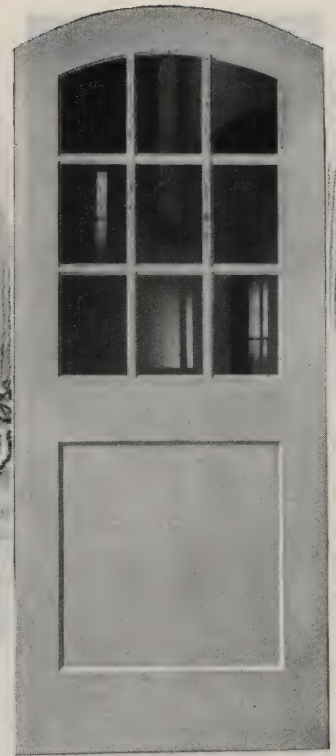


Columbia

SIZES			10-B-393	10-B-3930	Glass
Width	Height	Thick-	Glazed	Glazed	Sizes
Ft. In.	Ft. In.	ness, In.	Clear	Beveled	in
			Glass	Plate	Inches
2-8	6-8	1 3/8	\$6.35	\$10.00	22x22
2-8	7-0	1 3/8	6.70	10.31	22x22
2-8	6-8	1 3/4	7.62	11.14	26x22
3-0	6-8	1 3/4	8.16	12.28	22x22
2-8	7-0	1 3/4	8.05	11.52	26x22
3-0	7-0	1 3/4	8.66	12.72	22x22

Modern Designs in Fir Doors!

Admirers of beautiful front entrances will quickly see the possibilities of the doors shown here. Numerous and varied designs make it easy to choose from our large stocks. Every door is carefully packed and guaranteed to reach you in perfect condition. Adaptable to any desired finish.



NOTE:

All doors come to you in the natural wood; smoothly sanded and ready for paint, enamel, stain or varnish.

Exclusive Construction Features

Extreme care is used in the manufacture of these Clear Fir Doors. They are glazed with first quality Clear Plain Glass or finest Beveled Plate Glass. Wood glass stops are used to hold glass in place. Waterproof glue.

The natural grain of Fir is especially pleasing when stained.

Adams

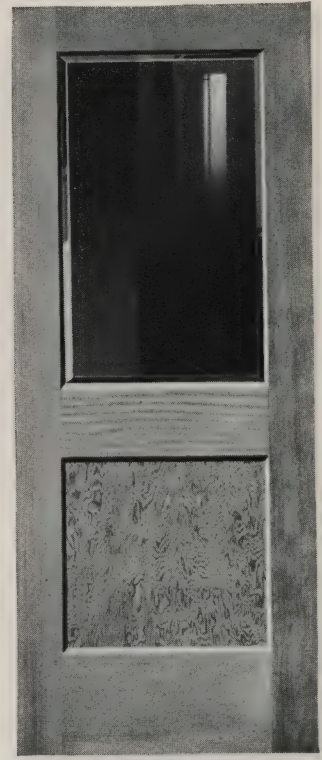
SIZES 1 3/4 Inches Thick		10-B-176 Glazed Clear Glass	Glass Sizes in Inches	OUTSIDE FRAMES SEGMENT HEAD K. D.	
Width Ft. In.	Height Ft. In.			10-B-199 For Wood Building	10-B-198 For Brick Building
2- 8	6- 8	\$10.53	22x33	\$8.25	\$8.55
3- 0	6- 8	11.12	26x33	8.50	8.80
3- 0	7- 0	11.68	26x37	8.65	8.95



California



Washington



Oregon

SIZES 1 3/4 Inches Thick		10-B-696 Glazed Clear Glass	10-B-696F Glazed Florentine Glass	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.			
2- 6	6- 6	\$4.11	\$4.70	21 1/2 x 32
2- 8	6- 8	4.39	4.74	23 1/2 x 34
2-10	6-10	4.90	5.66	25 1/2 x 36
2- 8	7- 0	4.59	5.53	23 1/2 x 38
3- 0	7- 0	5.37	6.11	27 1/2 x 38

SIZES 1 3/4 Inches Thick		10-B-378 Glazed Clear Glass	10-B-3780 Glazed Beveled Plate	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.			
2- 8	6- 8	\$6.24	\$15.16	22x56
3- 0	7- 0	7.44	18.61	26x60

For this style of door in clear white pine see our "Honey-suckle" design on page 13.

SIZES 1 3/4 Inches Thick		10-B-381 Glazed Clear Glass	10-B-3810 Glazed Beveled Plate	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.			
2- 6	6- 6	\$4.02	\$ 9.55	21 1/2 x 38
2- 8	6- 8	4.22	10.78	23 1/2 x 40
2-10	6-10	4.81	12.06	25 1/2 x 42
2- 8	7- 0	4.55	11.93	23 1/2 x 44
3- 0	7- 0	5.13	13.58	27 1/2 x 44

Standard Designs in Splendid Clear White Pine

This type of door is especially suitable for grade and rear entrances. Skilled workmanship and durability being the keynote of construction. Each door carefully packed.

NOTE:

All doors come to you in the natural wood, smoothly sanded and ready for paint, enamel, stain or varnish.

Most Desirable Styles

These doors will please you. Only clear lumber, free from blemishes is used in their construction. Glazed with first quality Clear Plain Glass, Beveled Plate Glass or Florentine Glass. Florentine is the most popular design of frosted glass. Used where both light and privacy is desired. Glass held in place by wood stops.

Average shipping weight of these doors, 75 lbs.

Iris

SIZES 1 3/4 Inches Thick		10-B-627 Glazed Clear Glass	10-B-6270 Glazed Beveled Plate	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.			
2-8	6-8	\$4.90 *	\$10.68 *	23 1/2 x 36
2-10	6-10	5.37 *	11.67 *	25 1/2 x 38
3-0	7-0	5.68 *	12.99 *	27 1/2 x 40

*Indicates doors which can be furnished 1 3/4 in. thick at \$2.00 extra.

Golden Glow

SIZES 1 3/4 Inches Thick		10-B-333 Glazed Clear Glass	10-B-333F Glazed Florentine Glass	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.			
2-6	6-6	\$4.66	\$5.20	21 1/2 x 28
2-8	6-8	4.90 *	5.51 *	23 1/2 x 30
2-10	6-8	5.07 *	5.72 *	25 1/2 x 30
2-10	6-10	5.35 *	6.05 *	25 1/2 x 32
2-8	7-0	5.27 *	6.06 *	23 1/2 x 34
3-0	7-0	5.62 *	6.40 *	27 1/2 x 34



Aster

SIZES 1 3/4 Inches Thick		10-B-328 Glazed Clear Glass	10-B-328F Glazed Florentine Glass	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.			
2-6	6-6	\$5.59	\$6.25 *	21 1/2 x 28
2-8	6-8	5.83 *	6.48 *	23 1/2 x 30
2-10	6-8	6.01 *	6.70 *	25 1/2 x 30
2-10	6-10	6.29 *	7.05 *	25 1/2 x 32
2-8	7-0	6.20 *	6.94 *	23 1/2 x 34
3-0	7-0	6.51 *	7.40 *	27 1/2 x 34



Tulip

SIZES 1 3/4 Inches Thick		10-B-40 Glazed Clear Glass	10-B-40F Glazed Florentine Glass	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.			
2-6	6-6	\$4.61	\$5.20	21 1/2 x 32
2-8	6-8	4.79	5.55	23 1/2 x 32
3-0	7-0	5.64	6.44	27 1/2 x 38



Mignonette

SIZES 1 3/4 Inches Thick		10-B-32 Glazed Clear Glass	10-B-32F Glazed Florentine Glass	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.			
2-6	6-6	\$4.85	\$5.35	21 1/2 x 24
2-8	6-8	5.11	5.75	23 1/2 x 26

Doors on this page marked with * can be furnished in 1 3/4 inch thickness at \$2.00 each extra

A Correct Door for every style of Architecture

It should be easy for you to select doors that will match the architecture of your home from our very complete line. White Pine Doors such as these will give long years of service.

NOTE:

All doors come to you in the natural wood, smoothly sanded and ready for paint, enamel, stain or varnish.



Colonial

This door, although primarily designed and used for front entrances, is being extensively used for inside doors. Stock sizes for immediate delivery listed below; all special sizes made in our own factory at moderate prices.

Note: These doors are 1 3/4 inches thick.

SIZES				108324 1 3/4 Inches Thick
WIDTH		HEIGHT		
Feet	Inches	Feet	Inches	
2	8	6	8	\$6.00
3	0	6	8	6.45
3	0	7	0	6.93

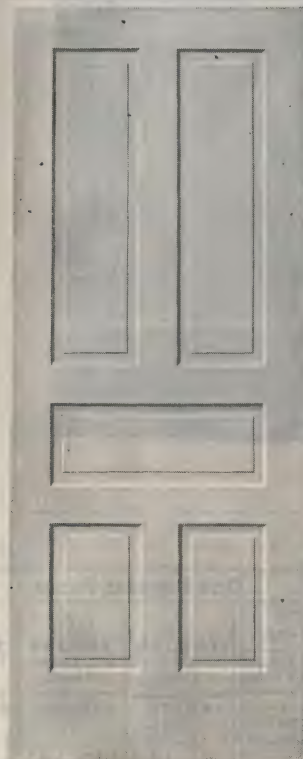
Doors of Good Taste

Much of the beauty and comfort of a home is reflected in its doors. These doors are very desirable, being of sturdy construction and design, perfect workmanship and made from strictly A No. 1 White Pine lumber. White Pine Doors, because of their uniform texture, take paint, enamel or varnish equally well. Average shipping weight of these doors 40 lbs.

Peony

SIZES 1 3/4 Inches Thick		108445 Glazed Clear Glass	1084450 Glazed Fveled Plate	Glass Sizes in Inches
Width Ft. In.	Height Ft. In.			
2-6	6-6	\$5.13	\$7.10	20x18
2-8	6-8	5.42 *	7.64 *	22x18
2-8	7-0	5.88 *	8.05 *	22x18
3-0	7-0	6.24 *	8.91 *	26x18

* Indicates doors which can be furnished 1 3/4 in. thick, at \$2.00 extra.



Five Regular Panel

SIZES		10857 1 3/4 Inches Thick
Width Ft. In.	Height Ft. In.	
2-0	6-0	\$2.74
2-0	6-6	3.87
2-6	6-6	3.32
2-0	6-8	3.92
2-6	6-8	3.37
2-8	6-8	3.52
2-0	7-0	3.16
2-6	7-0	3.64
2-8	7-0	3.79
3-0	7-0	4.13



Five Cross Panel

SIZES		10859 1 3/4 Inches Thick	Continued		10859 1 3/4 Inches Thick
Width Ft. In.	Height Ft. In.		Width Ft. In.	Height Ft. In.	
2-0	6-0	\$2.56	2-8	6-8	\$3.29 *
2-0	6-6	3.69	2-10	6-8	3.45 *
2-4	6-6	3.96	2-10	6-10	3.68 *
2-6	6-6	3.11	2-0	7-0	3.96
2-0	6-8	3.73	2-4	7-0	3.36
2-4	6-8	3.02	2-6	7-0	3.40
2-6	6-8	3.15	2-8	7-0	3.53 *
(Continued in next Column)			3-0	7-0	3.87 *

* Indicates doors which can be furnished 1 3/4 in. thick at \$2.00 extra.



Four Regular Panel

SIZES		10856 1 3/4 Inches Thick
Width Ft. In.	Height Ft. In.	
2-0	6-0	\$2.75
2-0	6-6	3.88
2-6	6-6	3.33
2-0	6-8	3.93
2-6	6-8	3.38
2-8	6-8	3.53
2-0	7-0	3.17
2-6	7-0	3.65
2-8	7-0	3.80
3-0	7-0	4.14



**Finest Fir
Oak
Birch
White Pine**

as low as

\$4⁸⁷_{ea.}

or \$9.74 per pair

Beautiful French

Improve your home with French Doors. Plenty of sunshine and air make a clean and healthful home. These doors are ideal for the Living Room, Library, Dining Room, or Sun Porch, for interior and exterior use. French doors can be purchased singly, or in pairs; single doors furnished at one-half price of pair. Average shipping weight 65 lbs. per door.

All doors shipped in the natural wood, smoothly sanded and ready for finishing



Ten Light French Doors

**Price per Pair Including Astragal*
Glazed Clear Plain Glass**

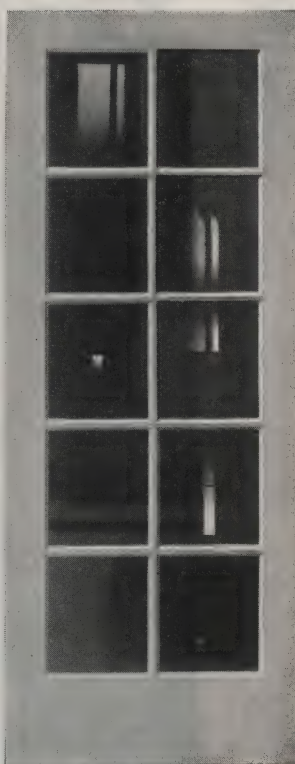
SIZES Per Pair		FIR 10-B-110	WHITE PINE 10-B-310	WHITE PINE 10-B-310	OAK 10-B-210	BIRCH 10-B-710
Width Ft. In.	Height Ft. In.	1 3/4 Inches Thick	1 3/4 Inches Thick	1 3/4 Inches Thick	1 3/4 Inches Thick	1 3/4 Inches Thick
3-8	6-8		\$ 9.74			
4-0	6-8	\$ 9.78	9.88	\$14.50	\$20.86	\$18.10
4-8	6-8		10.26			
5-0	6-8	11.14	10.30	15.54	22.38	19.38
5-4	6-8	11.50	10.90	15.80	22.68	19.88
3-8	7-0		10.20			
4-0	7-0	10.14	10.34	15.28	21.78	18.78
4-8	7-0		10.70			
5-0	7-0	11.56	11.12	16.38	22.30	20.08
5-4	7-0	12.00	11.32	16.68	23.94	20.56
6-0	7-0		12.06	17.54		

**Price per Pair Including Astragal*
Glazed Beveled Plate Glass**

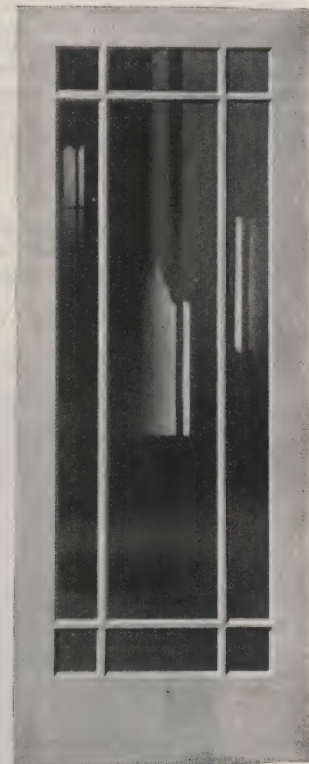
SIZES Per Pair		FIR 10-B-1100	WHITE PINE 10-B-3100	WHITE PINE 10-B-3100	OAK 10-B-2100	BIRCH 10-B-7100
Width Ft. In.	Height Ft. In.	1 3/4 Inches Thick	1 3/4 Inches Thick	1 3/4 Inches Thick	1 3/4 Inches Thick	1 3/4 Inches Thick
3-8	6-8		\$26.64			
4-0	6-8	\$27.46	28.58	\$31.72	\$38.58	\$36.80
4-8	6-8		31.68			
5-0	6-8	34.32	34.98	38.26	46.74	43.64
5-4	6-8	34.52	35.08	38.32	46.86	44.06
3-8	7-0		27.10			
4-0	7-0	27.80	29.04	32.38	40.50	37.50
4-8	7-0		32.12			
5-0	7-0	34.68	35.48	39.02	47.66	44.42
5-4	7-0	34.92	35.52	39.12	48.12	44.76
6-0	7-0		38.74	42.38		

Single Doors or 1/2 Pair Furnished at 1/2 Price of Pair

*Astragals are flat moulded wood strips used to cover joint in center where doors meet.



Virginia



Carolina

SIZES WHITE PINE			Price Each	
Width Ft. In.	Height Ft. In.	Thick- ness Inches	10-B-310 Glazed Clear Glass	10-B-3100 Glazed Beveled Plate
2-6	6-8	1 3/4	\$5.15	\$17.49
2-8	6-8	1 3/4	5.45	17.54
2-6	7-0	1 3/4	5.56	17.74
2-8	7-0	1 3/4	5.66	17.76
3-0	7-0	1 3/4	6.03	19.37
2-6	6-8	1 3/4	7.77	19.13
2-8	6-8	1 3/4	7.90	19.16
2-6	7-0	1 3/4	8.19	19.51
2-8	7-0	1 3/4	8.34	19.56
3-0	7-0	1 3/4	8.77	21.19

SIZES WHITE PINE			Price Each	
Width Ft. In.	Height Ft. In.	Thick- ness Inches	10-B-309 Glazed Clear Glass	10-B-3090 Glazed Beveled Plate
2-6	6-8	1 3/4	\$ 6.42	\$21.57
2-8	6-8	1 3/4	6.58	22.64
2-6	7-0	1 3/4	6.79	22.76
2-8	7-0	1 3/4	6.90	23.91
3-0	7-0	1 3/4	7.53	26.44
2-6	6-8	1 3/4	8.17	22.64
2-8	6-8	1 3/4	8.38	24.24
2-6	7-0	1 3/4	8.75	24.50
2-8	7-0	1 3/4	8.90	25.69
3-0	7-0	1 3/4	9.54	28.23



Bevel and Beautifully Made

Full length doors glazed with the finest quality, beveled or plain plate mirrors. The advantage of a full length mirror, for that last minute inspection, is appreciated by everyone.

Indispensable for use in Bed Room or Dressing Room. Can be placed on either side of door depending on the most advantageous light. Many use them in the Hall or Living Room where they add greatly to the appearances of the room.

We can furnish "Fullview" Mirror Doors in Oak, Birch or Fir, and in any style of door. Prices on next page are for reverse side of door like our Two Regular Panel design shown on page 18. Carefully packed and guaranteed to reach you in perfect condition. Average shipped weight 100 lbs.

and Terrace Doors

Our French and Terrace Doors are made of carefully selected materials, and the workmanship is the very best. Fir and White Pine doors have solid stiles and rails, Oak and Birch doors are veneer construction which is the best for hardwood doors.

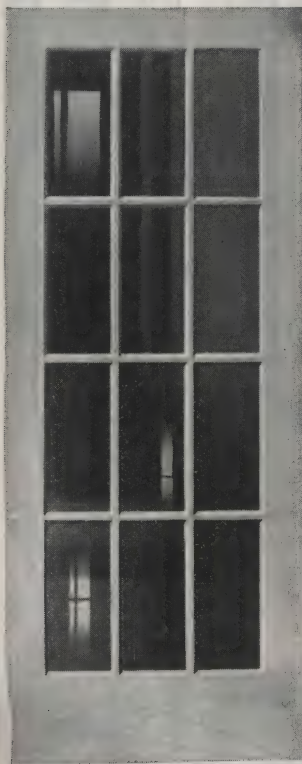
Glazed with first quality Clear Plain Glass, or finest Beveled Plate Glass. Glass held in place with wood stops.

All doors shipped in the natural wood, smoothly sanded ready for finishing.

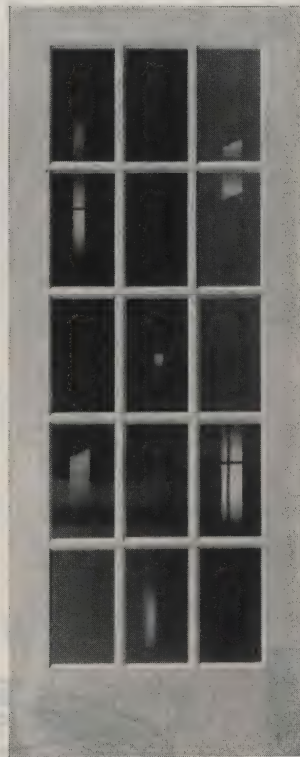
White Pine
Oak
Fir
Birch



as low as
\$5³⁹ ea. or \$10.78 per pair



Maryland



Georgia

SIZES WHITE PINE			PRICE EACH	
Width Ft. In.	Height Ft. In.	Thick- ness Inches	10B312 Glazed Clear Glass	10B3120 Glazed Beveled Plate
2-8	6-8	1 3/4	\$ 6.40	\$19.47
2-8	7-0	1 3/4	6.64	19.69
3-0	7-0	1 3/4	6.85	21.27
2-8	6-8	1 3/4	8.31	21.17
2-8	7-0	1 3/4	8.73	21.55
3-0	7-0	1 3/4	8.97	23.17

SIZES WHITE PINE			PRICE EACH	
Width Ft. In.	Height Ft. In.	Thick- ness Inches	10B315 Glazed Clear Glass	10B3150 Glazed Beveled Plate
2-6	6-8	1 3/4	\$ 7.20	\$19.11
2-8	6-8	1 3/4	7.38	20.63
2-8	7-0	1 3/4	7.64	20.84
3-0	7-0	1 3/4	7.83	22.57
2-8	6-8	1 3/4	9.42	22.44
2-10	6-8	1 3/4	9.57	22.55
3-0	6-8	1 3/4	9.60	22.55
2-8	7-0	1 3/4	9.86	24.53
3-0	7-0	1 3/4	10.08	24.53

Special sizes in French and Terrace Doors made to order quickly and at low prices.



Marginal Light French Doors

Price per Pair Including Astragal*
Glazed Clear Plain Glass

Plain Plate Mirror Doors of Guaranteed Quality Materials

Price of "Fullview" Mirror Doors

SIZES 1 3/4 Inches Thick		Approx. Size of Plate Mirror Inches	RED OAK		NORTHERN BIRCH		FIR	
Width Ft. In.	Height Ft. In.		10B289 Plain Plate Mirror	10B290 Bevel Plate Mirror	10B291 Plain Plate Mirror	10B292 Bevel Plate Mirror	10B293 Plain Plate Mirror	10B294 Bevel Plate Mirror
2-0	6-6	16x66					\$15.18	\$18.95
2-2	6-6	18x66					16.65	20.60
2-4	6-6	20x66					17.84	21.98
2-6	6-6	22x66					20.23	24.52
2-0	6-8	16x68	\$20.54	\$24.38	\$18.40	\$22.31	15.52	19.50
2-2	6-8	18x68					17.05	22.21
2-4	6-8	20x68	23.42	27.63	21.17	25.43	18.27	22.61
2-6	6-8	22x68	26.01	30.36	23.69	28.11	20.92	25.22
2-8	6-8	24x68	27.70	32.22	25.27	29.86	22.13	26.85
2-0	7-0	16x72	21.84	26.08	19.51	23.82	16.33	20.72
2-2	7-0	18x72					17.95	22.52
2-4	7-0	20x72	24.86	29.45	22.41	27.07	19.24	23.99
2-6	7-0	22x72	27.60	32.32	25.08	29.87	21.84	26.72
2-8	7-0	24x72	29.36	34.27	26.73	31.71	24.46	28.46

For "Fullview" Mirror Doors with one panel on reverse side add to above prices 60c for Fir and \$2.50 for Oak or Birch. When ordered this way Fir doors will be 1 3/4 inches thick and Oak and Birch doors will be 1 3/4 inches thick.

SIZES Per Pair		FIR	WHITE PINE	WHITE PINE	OAK
Width Ft. In.	Height Ft. In.	10B109 1 3/4 Inches Thick	10B309 1 3/4 Inches Thick	10B309 1 3/4 Inches Thick	10B209 1 3/4 Inches Thick
4-0	6-8	\$10.78	\$12.02	\$15.50	\$21.86
5-0	6-8	12.14	12.84	16.34	23.34
5-4	6-8	12.58	13.16	16.76	23.66
4-0	7-0	11.18	12.54	16.24	22.78
5-0	7-0	12.74	13.58	17.50	24.42
5-4	7-0	13.14	13.80	17.80	25.06
6-0	7-0		15.06	19.08	

Price per Pair Including Astragal*
Glazed Beveled Plate Glass

SIZES Per Pair		FIR	WHITE PINE	WHITE PINE	OAK
Width Ft. In.	Height Ft. In.	10B1090 1 3/4 Inches Thick	10B3090 1 3/4 Inches Thick	10B3090 1 3/4 Inches Thick	10B2090 1 3/4 Inches Thick
4-0	6-8	\$37.40	\$38.48	\$41.58	\$49.58
5-0	6-8	42.50	43.14	45.28	54.98
5-4	6-8	44.78	45.28	48.48	57.16
4-0	7-0	38.92	40.14	43.44	51.68
5-0	7-0	44.82	45.52	49.00	57.80
5-4	7-0	47.26	47.82	51.38	60.52
6-0	7-0		52.88	56.46	

*Astragals are flat moulded wood strips used to cover joint in center where doors meet.

Doors not priced not carried in stock.
Special sizes made to order at slightly advanced prices.
Single doors or 1/2 pair furnished at 1/2 price of pair.



10-B-205



10-B-209

Sidelights AND Transoms

Please Read!

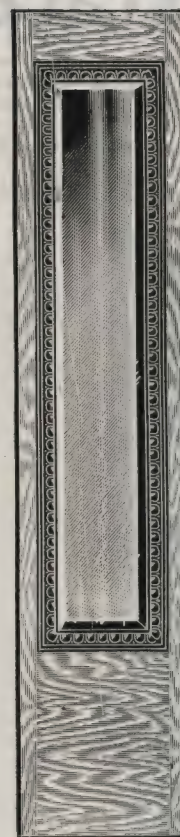
Made from "A quality" clear soft pine, and clear red oak. Glass in sidelight set with wood stops.
Sidelight No. 10-B-205 can be furnished with leaded glass like No. 10-B-209. We also furnish sidelight No. 10-B-209 glazed plain (not leaded).

White Pine 1½ inches thick
Oak 1½ inches thick

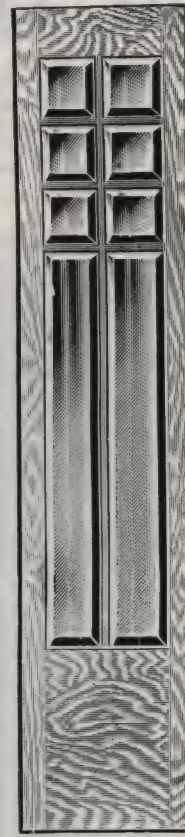
Number	Wood	Glazing	Size	Price
10-B-205	White Pine	Plain Glass	1- 2x6- 8	\$2.97
			1- 2x7- 0	3.27
		Like No. 10-B-209	1- 2x6- 8	5.70
			1- 2x7- 0	6.11
10-B-209	White Pine	Plain Glass	1- 2x6- 8	3.27
			1- 2x7- 0	3.46
		Leaded as Shown	1- 2x6- 8	6.96
			1- 2x7- 0	7.41
10-B-403	Red Oak	Plain Glass	1- 2x6- 8	8.10
			1- 2x7- 0	8.46
		Beveled Plate	1- 2x6- 8	12.08
			1- 2x7- 0	12.94
10-B-405	Red Oak	Plain Glass	1- 2x6- 8	11.51
			1- 2x7- 0	11.88
		Beveled Plate	1- 2x6- 8	17.08
			1- 2x7- 0	17.36

Sidelight No. 10-B-405 furnished in white pine 1½ thick to match Whittier door at \$5.00 less than oak price.

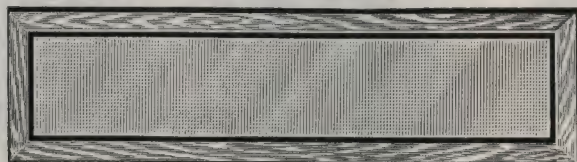
Sidelights can be furnished to match Virginia, Carolina and Maryland Doors. Write for prices.



10-B-403



10-B-405



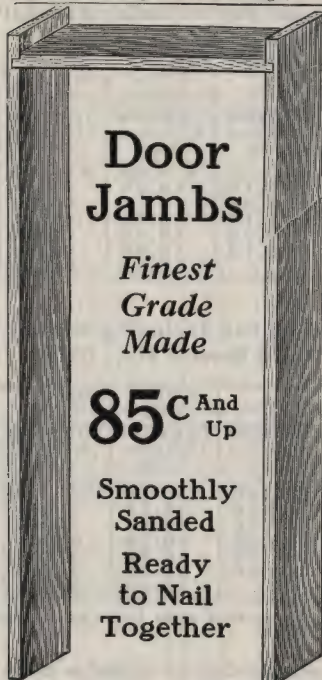
Transom No. 10-B-401



Transom No. 10-B-407

Made to Order 1½-Inch Thick Any size up to and including	
4 ft. 6 in. wide, up to 1 ft. 6 in. high.....	\$2.22
4 ft. 8 in. wide, up to 1 ft. 6 in. high.....	2.28
6 ft. 0 in. wide, up to 1 ft. 6 in. high.....	3.44
6 ft. 4 in. wide, up to 1 ft. 6 in. high.....	4.44

10-B-401		10-B-407		10-B-407	
White Pine		Oak or Birch		White Pine	White Pine
Glazed 1 Light	Glazed 2 Lights	Glazed 1 Light	Glazed 2 Lights	Glazed Leaded	Glazed 1 Light
\$2.22	\$2.39	\$ 6.75	\$7.42	\$19.95	\$15.63
2.28	2.44	6.94	7.60	20.28	15.71
3.44	3.00	9.21	9.27	26.55	21.24
4.44	3.09	10.36	9.51	29.29	24.51



Door Jambs

Finest
Grade
Made

85¢ And
Up

Smoothly
Sanded
Ready
to Nail
Together

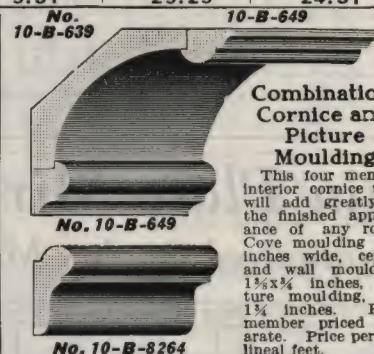
Inside Door and Cased Opening Jambs

Perfectly Machined and Cut to Fit

These Jambs are ¾x5¼ inches wide for standard 2x4 stud construction, plaster and lath. Cut smooth and true, clear face stock. Side Jambs dadoed or grooved out for heads. Heads cut square and straight. Smoothly sanded and ready to nail together. Prices do not include door stops, which are priced on page 38. Stops are needed only where doors are to be hung. Intermediate sizes furnished at price of next larger size listed.

Any Size up to and Including Width Ht. ft. in. ft. in.	10-B-101 Yellow Pine Price Per Set	10-B-102 Fir Price Per Set	10-B-602 Red Oak Price Per Set	10-B-104 Birch Price Per Set
2-8 x 6-8	\$0.85	\$0.87	\$1.71	\$2.03
3-0 x 7-0	.96	.99	1.96	2.33
5-0 x 7-0	1.09	1.12	2.17	2.61
8-0 x 8-0	1.37	1.40	2.71	3.24
9-0 x 9-0	1.47	1.52	2.95	3.54

Special sizes of all kinds made to order. Intermediate sizes furnished at price of next larger size listed. Jambs for plasterboard walls usually 4¾ inches wide, furnished at same price as above. However, be sure that you specify for plasterboard walls and give finished width desired. Jambs for 2x6 studding, not exceeding 7½ inches wide, 50%, or one-half more than above prices.



Combination Cornice and Picture Moulding

This four member interior cornice trim will add greatly to the finished appearance of any room. Cove moulding is 5 inches wide, ceiling and wall moulding, 1½x¾ inches, picture moulding, ¾x 1¼ inches. Each member priced separate. Price per 100 lineal feet.

Wood Clear Grade	10-B-649 Ceiling or Wall Moulding	10-B-639 Cove Moulding	10-B-6264 Picture Moulding
Y. Pine..	\$1.15	\$8.40	\$1.30
Fir.....	1.20	8.50	1.35
Red Oak.	2.80	15.85	3.20
Birch....	3.05	16.85	3.50

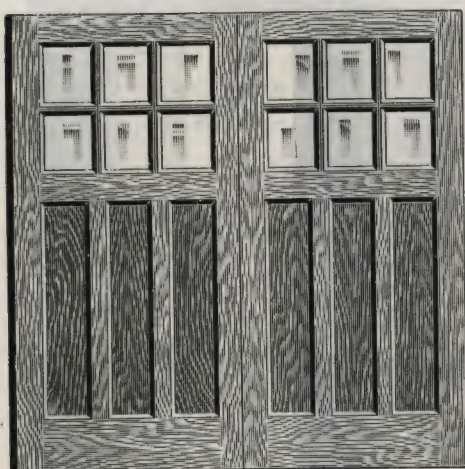


PANEL STRIPS

10-B-549

A Neat Panel Strip ½x2½ inches. Prices are per lineal foot.
Clear Yellow Pine..... 1 ½¢
Clear Fir..... 2¢
Clear Red Oak..... 3 ½¢
Clear Birch..... 4¢
For additional Panel Strips see page 42.

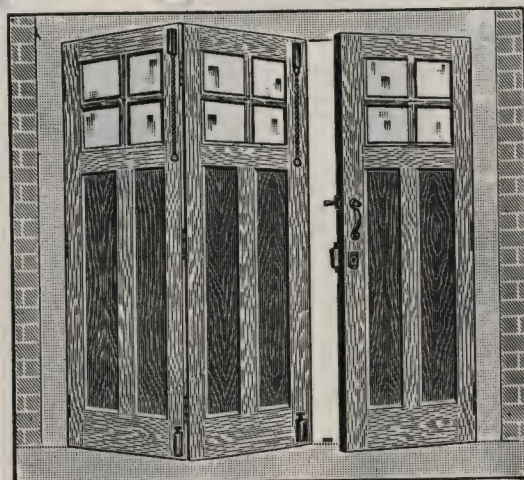
GARAGE AND WAREHOUSE DOORS



ASHLAND



ATLAS



Triple Combination of ATLAS DOORS

Our Garage and Warehouse Doors are made of Clear Kiln Dried Fir. The stiles and rails of the doors are mortised and pinned, which construction gives you a more durable door. The panels are extra heavy, being set into the grooves of the stiles and rails by means of special machinery, making it practically impossible for the panel to warp or check. Water-proof glue is used on all our doors. In offering you these doors it is our intention to give you the best value obtainable for the money, and we must ask that you do not confuse these doors with the so-called "just-as-good-makes." Remember, our doors are made of Fir, of mortised and pinned construction, glass set with wood stops and equipped with durable panels—four distinct and essential features necessary to make a good garage or warehouse door. Hardware not included.

ASHLAND DOOR

Catalog Number	Size of each door			2 doors will fill opening	Price, per pair glazed 2 doors	Shipping Weight Per Pair
	Width	Height	Thickness			
10-B-580	4 Ft.	8 Ft.	1 3/4 inches	8'x8'	\$13.60	210 lbs.
10-B-576	4 Ft.	7 Ft. 6 in.	1 3/4 inches	8'x7'6"	13.20	190 lbs.

ATLAS DOOR

Catalog Number	Size of each door			3 doors will fill opening	Price, per Set glazed 3 doors	Shipping Weight Per Set
	Width	Height	Thickness			
10-B-1480	2' 8"	8' 0"	1 3/4 inches	8'0"x8'0"	\$14.40	210 lbs.
10-B-1476	2' 8"	7' 6"	1 3/4 inches	8'0"x7'6"	14.00	190 lbs.



All Wood Garage Doors

Made of Clear Kiln Dried Fir. Stiles and rails are mortised and pinned making an extra strong garage door. The panels are extra heavy and are raised or moulded as shown. They are set into the grooves of the stiles and rails by means of special machinery. This is one of the most durable doors made and will give years of service. Our "All Wood" Garage Doors will harmonize with any style of architecture.

ALL WOOD DOOR

Catalog Number	Size of each door			2 doors will fill opening	Price per Pair 2 doors	Shipping Weight Per Pair
	Width	Height	Thickness			
10-B-780	4 Ft.	8 Ft.	1 3/4 inches	8'0"x8'0"	\$13.35	200 lbs.
10-B-776	4 Ft.	7 Ft. 6 in.	1 3/4 inches	8'0"x7'6"	12.95	190 lbs.



ILLINOIS
10-B-105

House and Garage Service Doors

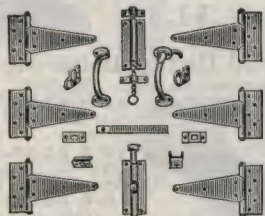
Made from Western Fir—a wood noted for its durability. Strength should be the first requirement of garage service doors on account of the large amount of abuse they receive. Because of very minor defects in material and workmanship, we have graded these doors as B quality and are making the prices extremely low. When painted they cannot be distinguished from our A quality doors. The defects do not in any way affect the strength or lasting qualities of the doors, and we fully guarantee you absolute satisfaction with them. Our Chicago door has clear plain glass held in place with wood stops.



CHICAGO
10-B-777

Size Width Height	Thickness	10-B-105 ILLINOIS	10-B-777 CHICAGO Glazed	Shipping Weight Pounds
2'4"x6'6"	1 3/4 inches	\$1.97		35
2'6"x6'6"		2.25	\$2.88	45
2'8"x6'8"		2.48	3.09	50

Swinging Garage Door Set



4-B-1605. Garage Set for double swinging door. Three pair of extra heavy 10 in. "T" hinges, one chain bolt, one foot bolt and two thumb latches, furnished complete with screws. Finished in Black Japan. Set, Complete.....\$2.95

"Around the Corner" Garage Door Set

The two joined doors as shown in illustration are suspended by 3 swivel hangers, each equipped with two wheels which run on a guide track. Single door swings entirely out of opening, allowing the other two doors to slide past.

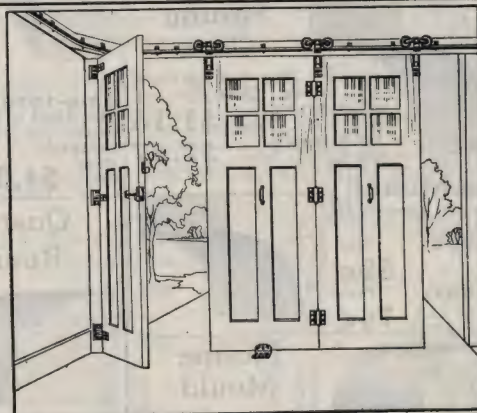
The hangers are adjustable, in case of swelling or raising of cement floor. All hardware is hung on inside of building and protected from the weather.

Set is for an opening 8 ft. square and includes the following items:

- 1—6 foot Braced Rail for sidewall.
- 1—8 foot Braced Rail for over door opening.
- 1—4 foot Braced Rail curved (27 inch Radius).
- 3—Swivel Hangers.
- 1 1/2 pair Garage Door Hinges.
- 1 1/2 pair 4x4 Jap Butts.
- 2—Door Pulls.
- 1—Latch.
- 1—Adjustable Floor Guide (with creosote blocks for securing into cement).
- 1 pair Jap Padlock Eyes.

Complete instructions with each set.

No. 4-B-8030. "Around the Corner" Garage door set, complete.....\$6.75



HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

Sheathing Paper and Tarred Felt



A Sized Sheathing Paper for ordinary building purposes, made by special process, faced on both sides, thoroughly rosin-sized, making it damp-proof and vermin proof. 36 inches wide, containing about 500 sq. ft.

	Weight per Roll	Price per Roll
22-B-10.	20 lbs.	\$0.52
22-B-11.	30 lbs.	73
22-B-12.	40 lbs.	1.04

Used for roofing, sheathing and general building purposes. Made of the best grade of wool felt, carefully selected, thoroughly saturated with distilled tar. Warranted to unroll freely without sticking. Approx. wt. 50 lbs.

	Medium grade, 324 Sq. Ft. to roll.	Price per roll.
22-B-14.	324	\$1.90

Made of the very finest selected grade of wool felt. It is used to deaden sound between floors and walls; a very good insulator. Rolls 36 inches wide.

	Heavy grade, 450 Sq. Ft. to roll. Weight 75 lbs. Per roll.	Price
22-B-15.	450	\$4.29
	Medium grade, 450 Sq. Ft. to roll. Weight 50 lbs. Per roll.	Price
22-B-16.	450	\$2.86

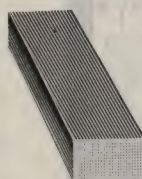
Ideal sheathing paper and also used under metal and slate roofs. It can be used in place of red rosin or any other sheathing paper. Put up in rolls 36 inches wide, each roll containing 500 square feet. Weight, per roll, approximately 35 lbs. We recommend this felt.

	Price per roll.
22-B-18.	\$1.20

Best grade of Blue Plaster Card-board manufactured. Strong and tough. Used on clap boards for sheathing and on walls in place of plaster; tacked to the studding and wall paper can be placed over it. Put up in rolls 36 inches wide.

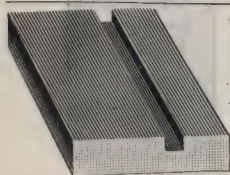
	Rolls containing 250 sq. ft., weight 30 lbs.	Price.
22-B-19.	98c	

Clear Fir Outside Mouldings and Frame Stock



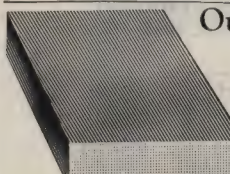
Blindstop

10-B-8430. Per 100 lineal feet. Clear Fir. Size $\frac{3}{4}$ x1 $\frac{3}{4}$. Price..... 89c



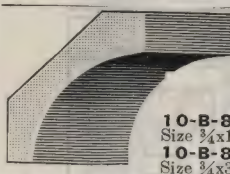
Pulley Stile

10-B-8431. Plowed Pulley Stile for 1 $\frac{3}{4}$ in. windows. Size $\frac{3}{4}$ x4 $\frac{1}{2}$. Price per 100 lineal feet. Clear Fir..... \$3.70



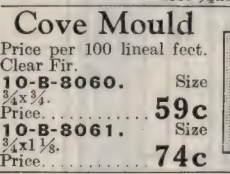
Outside Casing

10-B-8429. Price per 100 lineal feet. Size 1 $\frac{1}{2}$ x4 $\frac{1}{4}$. Clear Fir..... \$5.55
10-B-8428. Price for 100 lineal feet. Size 1 $\frac{1}{2}$ x5 $\frac{1}{4}$. Clear Fir..... \$7.60



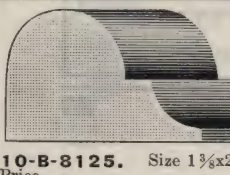
Sprung Cove

Price per 100 lineal feet. Clear Fir.
10-B-8024. Size $\frac{3}{4}$ x1 $\frac{1}{2}$. Price... \$1.18
10-B-8029. Size $\frac{3}{4}$ x3 $\frac{1}{4}$. Price... \$2.47



Cove Mould

Price per 100 lineal feet. Clear Fir.
10-B-8060. Size $\frac{3}{4}$ x $\frac{3}{4}$. Price... 59c
10-B-8061. Size $\frac{3}{4}$ x1 $\frac{1}{2}$. Price... 74c



Nosing Mould

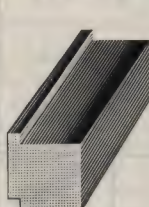
Price per 100 lineal feet. Clear Fir.
10-B-8125. Size 1 $\frac{1}{2}$ x2 $\frac{1}{4}$. Price... \$3.53

If you prefer to make your own special frames, you will find listed on this page every needed moulding and member, priced unusually low. Fir is an exceptionally strong wood and holds paint well. We furnish Fir Mouldings and Frame Stock in random lengths 6 to 16 ft., the majority of pieces being 10 ft. and longer. For specified lengths add 10% extra. For O. G. Stops and other Fir moulding see page 42.

Band Moulding

	Clear Fir.	Price per 100 lineal feet.
10-B-8178.	Size $\frac{1}{2}$ x2.	Price..... \$1.59
10-B-8180.	Size $\frac{1}{2}$ x2 $\frac{1}{2}$.	Price..... 1.94

Sill Course



10-B-1672. Size 1 $\frac{1}{2}$ x1 $\frac{1}{2}$ ins. Price per 100 lineal feet. Clear Fir... \$4.35

Crown Mould



Price per 100 lineal feet. Clear Fir.
10-B-8000. Size $\frac{3}{4}$ x3 $\frac{1}{4}$. Price... \$2.47
10-B-8006. Size $\frac{3}{4}$ x4 $\frac{1}{4}$. Price... 3.35
10-B-8008. Size $\frac{3}{4}$ x2 $\frac{1}{4}$. Price... 1.76

Parting Stop



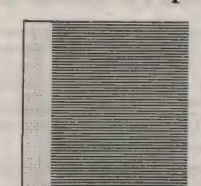
10-B-8432. Per 100 lineal feet. Clear Fir. Size $\frac{1}{2}$ x $\frac{3}{4}$. Price... 59c

Quarter Round



Price per 100 lineal feet. Clear Fir.
10-B-8065. Size $\frac{3}{4}$ x $\frac{3}{4}$. Price... 59c

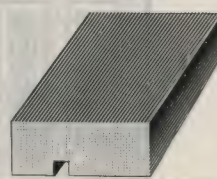
Lattice Strips



Price per 100 lineal feet. Clear Fir.
10-B-8281. Size $\frac{1}{2}$ x1 $\frac{3}{4}$. Price... 59c
10-B-8282. Size $\frac{1}{2}$ x1 $\frac{1}{2}$. Price... 83c

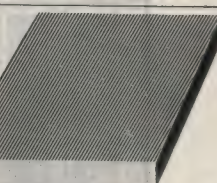
Main Sill

10-B-8439. Beveled edges and rabbeted for siding. Size 1 $\frac{1}{2}$ x3 $\frac{3}{4}$. Sound solid Clear Fir stock. Price per 100 lineal feet..... \$5.64



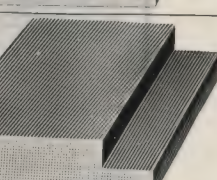
Subsill

10-B-8440. Edges beveled. Size $\frac{3}{4}$ x5 $\frac{1}{2}$. Per 100 lineal feet. Clear Fir... \$4.25



Jamb Stock

10-B-8442. Size 1 $\frac{1}{2}$ in. x 5 $\frac{1}{4}$ inch rabbeted, for 1 $\frac{1}{2}$ in. or 1 $\frac{3}{4}$ in. doors, clear fir. Per 100 lineal feet \$8.45



Bed Mould

Price per 100 lineal feet. Clear Fir. Size $\frac{3}{4}$ x1 $\frac{1}{2}$. Price..... \$1.18



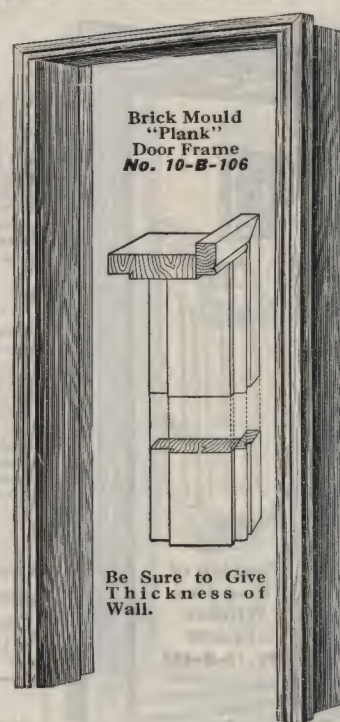
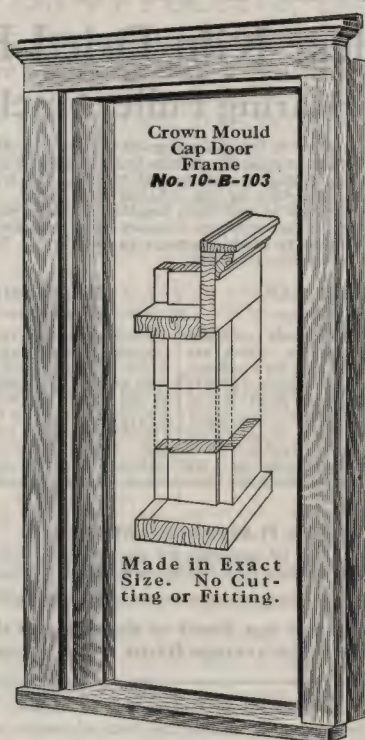
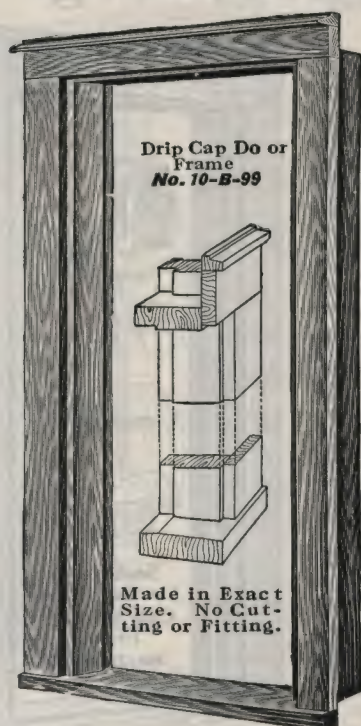
Solid Bed or Brick Mould

	Price per 100 lineal feet.	Clear Fir.	Size
10-B-8036.			$\frac{3}{4}$ x1 $\frac{1}{2}$. Price... 89c
10-B-8037.			Size 1 $\frac{1}{2}$ x1 $\frac{1}{2}$. Price... \$2.04
10-B-8038.			Size 1 $\frac{1}{2}$ x1 $\frac{1}{2}$. Price... \$2.33

Watertable or Drip-cap

	Price per 100 lineal feet.	Clear Fir.
10-B-8283.	Size 1 $\frac{1}{2}$ x1 $\frac{1}{2}$. Price... \$2.33	
10-B-8284.	Size 1 $\frac{1}{2}$ x2. Price... 3.00	
10-B-8285.	Size 1 $\frac{1}{2}$ x2 $\frac{1}{2}$. Price... 3.20	
10-B-8286.	Size 1 $\frac{1}{2}$ x3. Price... 3.80	

CLEAR FIR OUTSIDE DOOR FRAMES



Door frames in stock for immediate delivery made of selected clear kiln dried fir. A first class exceptionally well manufactured and correctly cut frame, easily assembled. Rabbeted for $1\frac{3}{8}$ inch thick doors unless otherwise specified when ordered. Weight each frame, about 65 lbs. Read on page No. 27 why we recommend Fir Frames. Shipped K. D., carefully bundled to avoid damage in delivery.

Drip Cap Door Frames

$1\frac{1}{2}$ Inch Outside Casing

Includes everything complete as shown; $1\frac{1}{2} \times 1\frac{1}{2}$ drip cap; $1\frac{1}{2} \times 4\frac{1}{4}$ outside casing; $1\frac{1}{2} \times 7\frac{1}{4}$ solid sill; $1\frac{1}{2} \times 5\frac{1}{4}$ inches, rabbeted jamb.

10-B-99. Outside door frames for 2x4 studding, with solid clear Fir sills, any size up to and including 3 ft. by 7 ft. rabbeted for doors $1\frac{3}{8}$ or $1\frac{1}{2}$ inches thick. Price..... **\$3.25**

10-B-413. Plain drip cap door frame with transom head, not exceeding 2 feet in height. Price..... **\$4.75**

Oak sills for any of above frames, \$1.00 per frame extra.

Crown Mould Cap Door Frames

$1\frac{1}{2}$ Inch Outside Casing

This frame has $1\frac{1}{2} \times 3$ inch Drip Cap, $1\frac{1}{2} \times 5\frac{3}{4}$ inch head casing, $1\frac{1}{2} \times 4\frac{1}{4}$ inch outside casing, $2\frac{1}{4}$ inch crown moulding, $1\frac{1}{2} \times 5\frac{1}{4}$ inch jamb, rabbeted to suit thickness of door, $1\frac{1}{2} \times 7\frac{1}{4}$ solid sill.

10-B-103. Crown mould cap outside door frame for frame buildings with 2x4 studding. For door 3 ft. x 7 ft. or smaller. Price..... **\$3.55**

10-B-414. Crown mould cap door frame with transom head, not exceeding 2 ft. in height. Price..... **\$5.05**

Oak sills for any of above frames, \$1.00 per frame extra.

Cement Block, Stone or Brick Wall Door Frames

This frame has a $1\frac{1}{2} \times 2$ -inch clear brick moulding. No sill furnished with this frame.

10-B-106. For 9-inch Brick Wall. $1\frac{1}{2} \times 5\frac{1}{4}$ inch Jamb. Price..... **\$2.24**

2 ft. 6 in. x 6 ft. 6 in. **2.30**

2 ft. 8 in. x 6 ft. 8 in. **2.43**

3 ft. x 7 ft. **\$3.88**

10-B-206. For 13-inch Brick Wall. $1\frac{1}{2} \times 10\frac{1}{2}$ inch Jamb. Price..... **\$3.88**

2 ft. 6 in. x 6 ft. 6 in. **3.99**

2 ft. 8 in. x 6 ft. 8 in. **4.23**

3 ft. x 7 ft. **\$1.20**

10-B-415. Plank door frame with transom head not exceeding 2 feet in height. Add to above prices.

"Swing In" and "Swing Out"

French Window or Casement Sash Frames For Frame or Brick Construction

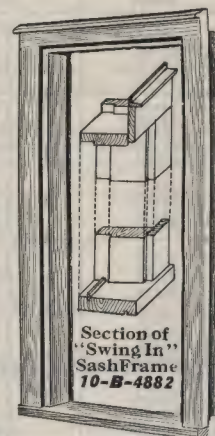
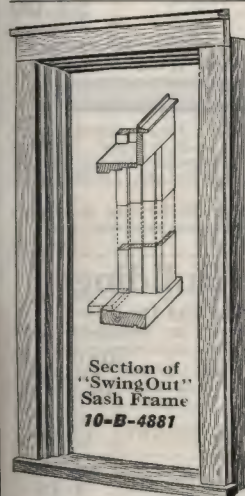
These frames, like all of our frames, are manufactured from Clear Fir and are machined so that each piece fits perfectly. Frame No. 4881 illustrated to the left, and Frames No. 4891 and 4901 are used when sash are hinged so that they are to swing out. You will note from the illustration that jambs are specially rabbeted so that a weathertight job results. Frame No. 4882, illustrated to the right, and Frames No. 4892 and 4902, are used when sash are hinged so they will swing in. A special stop strip is used in the sill of these frames and sash should be rabbeted to accommodate this stop. This method of construction is the most practical for this style of frame.

The jambs on all frames are $1\frac{1}{2} \times 5\frac{1}{4}$ inches. Frames No. 4881, 4891, 4882 and 4892 have $1\frac{1}{2} \times 4\frac{1}{4}$ inches outside casing and $1\frac{1}{2} \times 7\frac{1}{4}$ inches sill. Head casing and drip cap are constructed to match Frames No. 458 and 459 respectively, illustrated on page No. 26. Frames No. 4901 and 4902 have $1\frac{1}{2} \times 5\frac{1}{4}$ inch sill and $1\frac{1}{2} \times 2$ inch brick mould. We will rabbet frames No. 4901 and 4902 for extension jambs at the same price if so specified when frames are ordered. When ordering frames always give thickness of walls. Prices on extension jambs quoted on receipt of specifications.

All our frames are made to exact size. Every piece is cut to fit, ready to put together, easily assembled. We ship frames knocked down carefully bundled to avoid damage in delivery.

MULLIONS

Mullion or double frames are double the price of single frames; triple frame are three times the price of single frames; quadruple and quintuple frames are four and five times the price of single frames, respectively.



For Any Size Sash Opening up to and Including
Width Height
Ft. In. Ft. In.

10-B-4881
"Swing Out" Sash Frame
Drip Cap
 $1\frac{1}{2}$ -inch Casing

10-B-4891
"Swing Out" Sash Frame
Crown Mould
 $1\frac{1}{2}$ -inch Casing

10-B-4901
"Swing Out" Sash Frame
Brick Mould
for 9-inch Wall

For Any Size Sash Opening up to and Including
Width Height
Ft. In. Ft. In.

10-B-4882
"Swing In" Sash Frame
Drip Cap
 $1\frac{1}{2}$ -inch Casing

10-B-4892
"Swing In" Sash Frame
Crown Mould
 $1\frac{1}{2}$ -inch Casing

10-B-4902
"Swing In" Sash Frame
Brick Mould
for 9-inch Wall

Window Frames for Wood Frame Buildings

Clear Kiln Dried Fir

Ball Bearing Pulleys Included

Our Window Frames are of the highest grade that is manufactured. Read why we recommend Fir Frame on page 27. These frames are for frame buildings, having standard 2x4 studding, siding, sheathing and plaster. All frames are machined, ready to put together, no further cutting or fitting is necessary. All that is necessary after receiving our frames is to nail them together and any carpenter can put any of our frames together in ten or fifteen minutes. **Frames are shipped knocked down, securely bundled to avoid damage in delivery.** We carry a complete stock in all sizes for immediate shipment.

PLAIN DRIP CAP Window Frames

Illustration at the left shows our Plain Drip Cap Window Frames, which are furnished complete as shown with pulleys. Specifications: Outside casing 1½x4¼ inches, pulley stiles and head jambs ¾x5¼ inches over all, including blind stop; plowed for parting stop. Two member sill, main section 1½x3¾ inches, sub-section ¾x5¼ inches, drip cap 1½x1½ inches. See insert section for construction of frames.

CROWN MOULD CAP Window Frames

Illustration to the right shows our Crown Mould Cap Window Frames, which are furnished complete as shown, with pulleys. Specifications are the same as our Drip Cap Window Frame to the left, with exception that Head Casing is 5¼ inches wide to allow for crown mould cap. Size of crown moulding is ¾x2¼ inches, size of drip cap 1½x3 inches. See insert section for construction of frames.

FOR PLASTER-BOARD WALLS

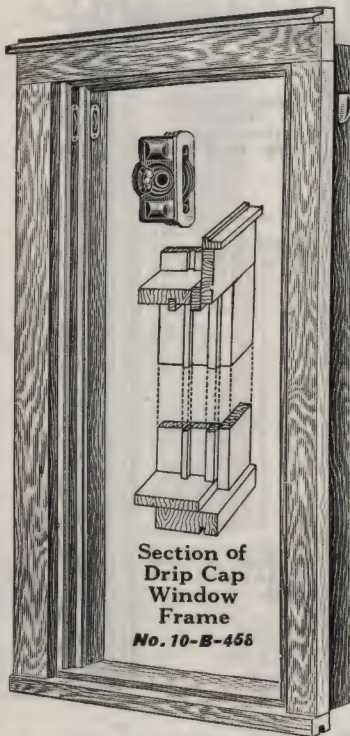
We furnish these frames ¾" narrower for plaster-board walls at the same price as listed below. When ordering such be sure to specify for "Plaster-board Walls."

We can furnish sizes not listed at the price of the next larger size shown. The average frame weighs about 40 lbs.

MULLION AND TRIPLE FRAMES

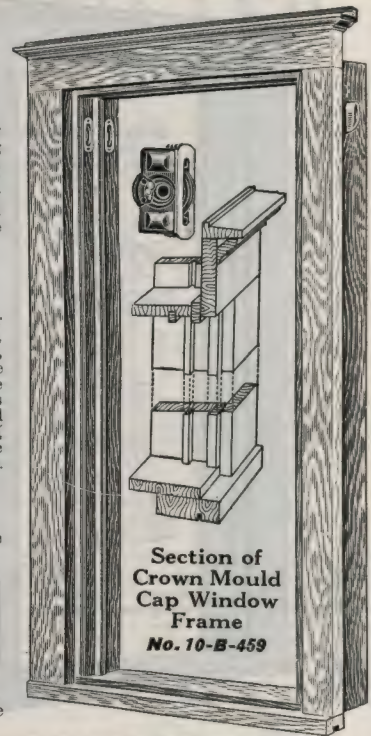
Mullion or Double Frames are double the price of regular single frames of the same window opening size.

Triple Frames are three times the price of regular single frames of the same window opening size.



Section of Drip Cap Window Frame
No. 10-B-458

Drip Cap Window Frame No. 10-B-458



Section of Crown Mould Cap Window Frame
No. 10-B-459

Crown Mould Cap Window Frame No. 10-B-459

PRICES OF FRAMES FOR CHECK RAIL WINDOWS FOR WOOD FRAME BUILDINGS

Glass size shown is for 2 light windows. For other style or size windows see below.

Glass Sizes, Prices Cover Frame only	Outside Window Measurement, ft. in. ft. in.	DRIP CAP PRICE EACH	CROWN MOULD CAP PRICE EACH
		Frame with 1½ inch Casing including Pulleys 10-B-458	Frame with 1½ inch Casing including Pulleys 10-B-459
16x16	1-8 x 3-2	\$1.67	\$1.97
16x20	1-8 x 3-10	1.86	2.16
16x24	1-8 x 4-6	2.04	2.34
16x26	1-8 x 4-10	2.14	2.44
18x18	1-10 x 3-6	1.81	2.11
18x20	1-10 x 3-10	1.91	2.21
18x24	1-10 x 4-6	2.09	2.39
18x26	1-10 x 4-10	2.19	2.49
18x28	1-10 x 5-2	2.29	2.59
20x20	2-0 x 3-10	1.96	2.26
20x22	2-0 x 4-2	2.04	2.34
20x24	2-0 x 4-6	2.14	2.44
20x26	2-0 x 4-10	2.24	2.54
20x28	2-0 x 5-2	2.34	2.64
20x30	2-0 x 5-6	2.42	2.72
20x32	2-0 x 5-10	2.52	2.82
22x20	2-2 x 3-10	2.01	2.31
22x22	2-2 x 4-2	2.10	2.40
22x24	2-2 x 4-6	2.19	2.49
22x26	2-2 x 4-10	2.29	2.59
22x28	2-2 x 5-2	2.39	2.69
24x16	2-4 x 3-2	1.81	2.11
24x18	2-4 x 3-6	2.03	2.33
24x20	2-4 x 3-10	2.06	2.36
24x22	2-4 x 4-2	2.14	2.44
24x24	2-4 x 4-6	2.24	2.54
24x26	2-4 x 4-10	2.34	2.64
24x28	2-4 x 5-2	2.44	2.74
24x30	2-4 x 5-6	2.52	2.82
24x32	2-4 x 5-10	2.62	2.92
26x16	2-6 x 3-2	1.92	2.22
26x20	2-6 x 3-10	2.12	2.42
26x22	2-6 x 4-2	2.20	2.50
26x24	2-6 x 4-6	2.30	2.60
26x26	2-6 x 4-10	2.40	2.70
26x28	2-6 x 5-2	2.50	2.80
26x30	2-6 x 5-6	2.68	2.98
26x32	2-6 x 5-10	2.78	3.08
28x24	2-8 x 4-6	2.35	2.65
28x26	2-8 x 4-10	2.45	2.75
28x28	2-8 x 5-2	2.55	2.85
28x30	2-8 x 5-6	2.65	2.95
28x32	2-8 x 5-10	2.73	3.03
30x24	2-10 x 4-6	2.40	2.70
30x26	2-10 x 4-10	2.50	2.80
30x28	2-10 x 5-2	2.60	2.90
30x30	2-10 x 5-6	2.68	2.98
30x32	2-10 x 5-10	2.78	3.08
30x36	2-10 x 6-6	2.97	3.27
32x24	3-0 x 4-6	2.45	2.75
32x26	3-0 x 4-10	2.55	2.85
32x28	3-0 x 5-2	2.65	2.95
32x30	3-0 x 5-6	2.73	3.03
32x32	3-0 x 5-10	2.83	3.13
36x30	3-4 x 5-6	2.84	3.14
40x32	3-8 x 5-10	3.04	3.34
44x32	4-0 x 5-10	3.14	3.44

Note—These Frames for 4, 8 and 12 light windows, and special sizes of all kinds furnished at the price of the next larger size opening shown above.

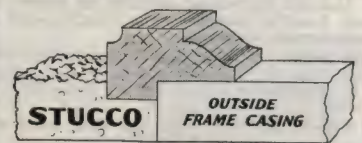
Frames for Stucco Buildings

Our Drip Cap Window Frame No. 10-B-458, Sash Frames No. 10-B-476, No. 10-B-481, No. 10-B-482 and Door Frame No. 10-B-99, are suitable for Stucco Buildings.

Stucco Moulding No. 10-B-7058 (illustrated below) should be nailed on Outside Casings of Frame to serve as a guide for plasterer, and to secure a good joint between Stucco and Frame. This moulding can also be used on old buildings.

If you want any of the above mentioned frames for Stucco walls add 40c extra for each frame, and we will furnish Stucco Mould No. 10-B-7058 cut to proper size. Be sure to specify "For Stucco."

10-B-7058. Clear Fir Stucco Mould. Size ¾ in. by 1½ in. Price per 100 lineal feet..... \$2.00 Specified lengths 10% extra.



10-B-7058

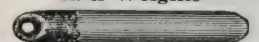
Sash Cord



Made of special selected long fibre cotton, firmly braided. The strongest and most durable manufactured. Put up in bundles of 100 feet.

10-B-3645. No. 7, ½ inch diameter. Per bundle..... 90c

Sash Weights



10-B-3643. Four weights are required to hold each window. Weights range from 3 to 9 pounds by half pounds. Heavier than 9 pounds, graduated by pounds.

See page No. 28 for size of weights required for different windows. Price per pound..... 2½c

Sash Frames for Frame Buildings

Clear Kiln Dried Fir

For Stationary or "Swing-In" Sash



Frame 10-B-476

Any size Sash Opening up to and including		DRIP CAP FRAME 10-B-476
WIDTH	HEIGHT	PRICE EACH
2 ft. 0 in. x 2 ft. 1 in.		\$2.12
2 ft. 0 in. x 2 ft. 5 in.		2.26
2 ft. 4 in. x 2 ft. 1 in.		2.22
2 ft. 4 in. x 2 ft. 5 in.		2.36
2 ft. 4 in. x 2 ft. 11 in.		2.54
2 ft. 10 in. x 1 ft. 9 in.		2.29
2 ft. 10 in. x 2 ft. 5 in.		2.55
2 ft. 10 in. x 3 ft. 1 in.		2.80
3 ft. 4 in. x 1 ft. 11 in.		2.57
3 ft. 4 in. x 3 ft. 1 in.		3.00
3 ft. 8 in. x 1 ft. 11 in.		2.67

For Crown Cap add 30c extra per Frame and order by No. 10-B-477

Frame 10-B-476, made from Clear Fir; with 1½x4¼ inches Outside Casing; 1½x1½ inches Drip Cap; 1½x5¼ inches Jambs and 1½x7½ inches Sill. Rabbeted for 1½ inches Sash, unless otherwise specified when ordered. Machined ready to nail together.

Clear Fir Window Frames for Brick Buildings

BALL BEARING PULLEYS INCLUDED

Window Frames for Solid Brick, Stone

or Cement Block Buildings

are illustrated at the left. These frames are known as box Window Frames, made for a regular 9 inch wall, but can be used for 13 inch wall by using an extension jamb. Specifications: This frame has 1½x2 inch brick mould, 1½x4½ inch head, ¾x1½ inch head inside lining and 1½x5¼ inch main sill, ¾x4¾ inch blind stop, ¾x4½ inch pulley stile, ½x¾ inch parting stop, ¾x3¾ inch rabbeted box lining, ¾x4½ inch back box lining. All exposed lumber will be clear face stock, carefully selected and thoroughly seasoned. The box linings are made from good, sound lumber.

We will rabbet frames for extension jambs at the same price if so specified when frames are ordered. When ordering Box Window Frames always give the thickness of wall. Prices on extension jambs quoted on receipt of specifications.

Window Frames for Brick Veneer Buildings

are illustrated at right. This frame is used for walls of 2x4 studding, veneered with a layer of brick, and they are made in the same manner as the frame for a brick or stone wall, with the exception that the box linings are omitted, not being required. All exposed lumber is clear face stock.

Specifications: Blind stop, ¾x4½ inch; pulley stile, ¾x5½ inch, making width of jamb 5¼ inch, including blind stop. Brick mould, 1½x2 inch, parting stop ½x¾ inch. Sills made from 2x8 stock.

All our frames are made in exact size. Every piece is cut to fit, ready to put together, easily assembled. We ship frames knocked down carefully bundled to avoid damage in delivery.

Remember when consulting the table below that intermediate sizes are furnished at the price of the next larger size. When ordering, give size of window and frame will be made to fit. The average frame weighs about 40 lbs.
If box Frames are wanted for brick arch, be sure to specify and allow 15c net extra for each frame.

Section of
"Box"
Window
Frame
10-B-108

Box Window Frame No. 10-B-108

Section of
"Brick
Veneer"
Window
Frame
10-B-467

Brick Veneer Frame No. 10-B-467

Prices of Frames for Check Rail Windows for Brick Buildings

Glass size shown is for 2 light windows. For other style or size windows see below		BOX (BRICK) WINDOW FRAME	BRICK VENEER WINDOW FRAME
Glass Sizes, Cover Frame Only	Outside Window Measurement, Opening of Frame ft. in. ft. in.	PRICE EACH including Pulleys 10-B-108	PRICE EACH including Pulleys 10-B-467
16 x 16	1-8 x 3-2	\$2.24	\$2.15
16 x 20	1-8 x 3-10	2.33	2.36
16 x 24	1-8 x 4-6	2.52	2.49
16 x 26	1-8 x 4-10	2.96	2.55
18 x 18	1-10 x 3-6	2.42	2.36
18 x 20	1-10 x 3-10	2.56	2.43
18 x 24	1-10 x 4-6	2.84	2.55
18 x 26	1-10 x 4-10	3.99	2.61
18 x 28	1-10 x 5-2	3.15	2.67
20 x 20	2-0 x 3-10	3.57	2.49
20 x 22	2-0 x 4-2	3.72	2.55
20 x 24	2-0 x 4-6	3.87	2.61
20 x 26	2-0 x 4-10	4.01	2.67
20 x 28	2-0 x 5-2	4.16	2.73
20 x 30	2-0 x 5-6	4.31	2.79
20 x 32	2-0 x 5-10	4.46	2.85
22 x 20	2-2 x 3-10	3.93	2.55
22 x 22	2-2 x 4-2	4.07	2.61
22 x 24	2-2 x 4-6	4.22	2.67
22 x 26	2-2 x 4-10	4.37	2.73
22 x 28	2-2 x 5-2	4.51	2.78
24 x 16	2-4 x 3-2	3.46	2.48
24 x 18	2-4 x 3-6	3.61	2.55
24 x 20	2-4 x 3-10	3.75	2.61
24 x 22	2-4 x 4-2	3.89	2.67
24 x 24	2-4 x 4-6	4.05	2.72
24 x 26	2-4 x 4-10	4.20	2.78
24 x 28	2-4 x 5-2	4.34	2.84
24 x 30	2-4 x 5-6	4.49	2.90
24 x 32	2-4 x 5-10	4.64	2.97
26 x 16	2-6 x 3-2	3.66	2.54
26 x 20	2-6 x 3-10	3.80	2.60
26 x 22	2-6 x 4-2	3.95	2.66
26 x 24	2-6 x 4-6	4.09	2.72
26 x 26	2-6 x 4-10	4.25	2.84
26 x 28	2-6 x 5-2	4.39	2.90
26 x 30	2-6 x 5-6	4.54	2.97
26 x 32	2-6 x 5-10	4.69	3.03
28 x 24	2-8 x 4-6	3.15	2.84
28 x 26	2-8 x 4-10	3.29	2.90
28 x 28	2-8 x 5-2	3.43	2.97
28 x 30	2-8 x 5-6	3.57	3.03
28 x 32	2-8 x 5-10	3.74	3.08
30 x 24	2-10 x 4-6	3.20	2.90
30 x 26	2-10 x 4-10	3.34	2.95
30 x 28	2-10 x 5-2	3.49	3.03
30 x 30	2-10 x 5-6	3.63	3.08
30 x 32	2-10 x 5-10	3.78	3.14
30 x 36	2-10 x 6-6	4.08	3.26
32 x 24	3-0 x 4-6	3.26	2.95
32 x 26	3-0 x 4-10	3.40	3.01
32 x 28	3-0 x 5-2	3.54	3.07
32 x 30	3-0 x 5-6	3.69	3.14
32 x 32	3-0 x 5-10	3.84	3.20
36 x 30	3-4 x 5-6	3.79	3.26
40 x 32	3-8 x 5-10	4.00	3.43
44 x 32	4-0 x 5-10	4.17	3.54

Note—These Frames for 4, 8 and 12 light windows and special sizes of all kinds furnished at price of the next larger size opening shown above

Why Our Frames are Made of Fir

Various kinds of woods are used in the manufacture of frames but the experienced buyer knows that a frame can be no better than the wood of which it is made from. In this respect, fir excels them all. The heart wood of the tree has the longest life. On account of their enormous size, fir trees are practically 95% heart.

Tests conducted by the United States Forest Laboratory show that a piece of Douglas Fir 4x4 inches and 4 feet long was not saturated even after four months of complete immersion in water. This ability to resist the penetration of water is one of the characteristics of Fir lumber, and is one of the reasons why it is often called the "Wood Eternal."

More Fir lumber is used for porch flooring and freight car sidings than all other woods combined. As these two uses are among the severest that lumber is put to, the popularity of Fir proves that it is a wood par-excellence.

On account of their large size, Fir trees produce a big percentage of clear lumber, which makes it easy to secure those long, clear pieces which are so desirable for frames. This is also the reason we can offer you an absolutely clear frame, free from all defects, at such low prices. Our frames contain no knots or other defects, usually found in frames produced from other woods which are naturally knotty, etc. Beware of a frame which is offered as "practically" clear, because it is impossible to eliminate all defects when using a wood that is naturally knotty.

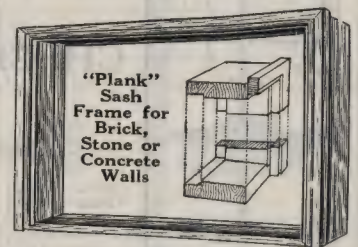
The uniform texture of Fir lumber makes it easy to work and put together, and possible to secure a smooth, evenly finished surface so necessary for a good paint job. Our frames, if given ordinary care when you receive them, and kept properly protected with paint will not warp or check, and will give you satisfactory service for the life of your building.

Plank Basement or Cellar Sash Frames

FOR BRICK OR CONCRETE WALLS For Stationary or Swing-in Sash

Any size Sash opening up to and including		SASH FRAME 10-B-107
WIDTH	HEIGHT	PRICE EACH
2 ft.	0 in. x 2 ft. 1 in.	\$1.24
2 ft.	0 in. x 2 ft. 5 in.	1.32
2 ft.	4 in. x 2 ft. 1 in.	1.41
2 ft.	4 in. x 2 ft. 5 in.	1.54
2 ft.	4 in. x 2 ft. 11 in.	1.54
2 ft.	10 in. x 1 ft. 9 in.	1.34
2 ft.	10 in. x 2 ft. 5 in.	1.52
2 ft.	10 in. x 3 ft. 1 in.	1.52
3 ft.	4 in. x 1 ft. 11 in.	1.51
3 ft.	4 in. x 3 ft. 1 in.	1.81
3 ft.	8 in. x 1 ft. 11 in.	1.58

Clear Kiln Dried Fir



Frame 10-B-107

Frame 10-B-107, made from Clear Fir; with 1½x5¼ inches Jambs and Sills; 1½x2 inches Brick Moulding. Rabbeted for 1½ inches Sash, unless otherwise specified when ordered. Machined, ready to nail together.

Standard Check Rail Windows

Clear White Pine—1 $\frac{3}{8}$ Inches Thick

These windows are manufactured in our own shops. They are of clear white pine, kiln dried, tenoned and mortised, pinned and sanded. First Quality glass extra strongly tacked, and puttied with high grade putty.

The term "window" means two sash—upper and lower.

All check rail windows are plowed and bored for sash cord and can be used either with or without weights. The check is the beveled rail where the two sash come together, as is illustrated in cross section cut shown at left. The check rail prevents windows rattling and makes them stormproof.

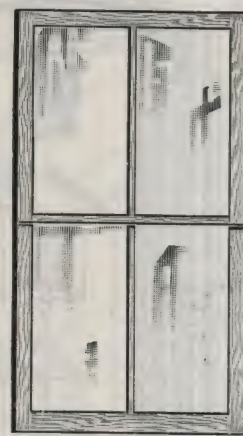
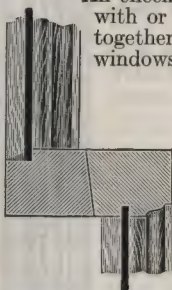
When ordering be sure to give width first.
Price includes both top and bottom sash.

Weight—a window 28x28 2 lights check rail 1 $\frac{3}{8}$ inches thick is considered an average size and weighs 28 pounds, shipping weight. Other sizes will weigh more or less in proportion to sizes.

Special Windows and Sash of all Kinds
made to order at lowest possible prices



10-B-71



20-B-72

Two Light Check Rail Windows

1 $\frac{3}{8}$ inches thick

10-B-71

Size of Glass	Price per Window Glazed	Outside Measure Width Height ft. in. ft. in.	Size Sash Weights Required
12x16	\$0.85	1- 4x3- 2	3
12x20	.96	1- 4x3-10	3
12x24	1.06	1- 4x4- 6	3 $\frac{1}{2}$
16x16	.96	1- 8x3- 2	3
16x18	1.02	1- 8x3- 6	3
16x20	1.08	1- 8x3-10	3
16x24	1.19	1- 8x4- 6	3 $\frac{1}{2}$
16x26	1.35	1- 8x4-10	4
16x28	1.41	1- 8x5- 2	4
18x18	1.09	1-10x3- 6	3 $\frac{1}{2}$
18x20	1.15	1-10x3-10	3 $\frac{1}{2}$
18x24	1.34	1-10x4- 6	4
18x26	1.41	1-10x4-10	4 $\frac{1}{2}$
18x28	1.48	1-10x5- 2	4 $\frac{1}{2}$
20x20	1.20	2- 0x3-10	4
20x22	1.35	2- 0x4- 2	4
20x24	1.36	2- 0x4- 6	4 $\frac{1}{2}$
20x26	1.42	2- 0x4-10	5
20x28	1.49	2- 0x5- 2	5 $\frac{1}{2}$
20x30	1.62	2- 0x5- 6	5 $\frac{1}{2}$
20x32	1.87	2- 0x5-10	6
22x20	1.31	2- 2x3-10	4
22x22	1.44	2- 2x4- 2	4 $\frac{1}{2}$
22x24	1.45	2- 2x4- 6	5
22x26	1.51	2- 2x4-10	5 $\frac{1}{2}$
22x28	1.61	2- 2x5- 2	5 $\frac{1}{2}$
22x30	1.71	2- 2x5- 6	5 $\frac{1}{2}$
22x32	1.96	2- 2x5-10	6

10-B-71—Continued

Size of Glass	Price per Window Glazed	Outside Measure Width Height ft. in. ft. in.	Size of Sash Weights Required Lbs.
24x16	\$1.14	2- 4x3- 2	3 $\frac{1}{2}$
24x18	1.26	2- 4x3- 6	4
24x20	1.32	2- 4x3-10	4 $\frac{1}{2}$
24x22	1.49	2- 4x4- 2	5
24x24	1.50	2- 4x4- 6	5
24x26	1.53	2- 4x4-10	5 $\frac{1}{2}$
24x28	1.62	2- 4x5- 2	6
24x30	1.72	2- 4x5- 6	6 $\frac{1}{2}$
24x32	1.98	2- 4x5-10	6 $\frac{1}{2}$
26x16	1.35	2- 6x3- 2	4
26x20	1.42	2- 6x3-10	5
26x22	1.53	2- 6x4- 2	5
26x24	1.54	2- 6x4- 6	5 $\frac{1}{2}$
26x26	1.61	2- 6x4-10	6
26x28	1.77	2- 6x5- 2	6
26x30	1.91	2- 6x5- 6	6 $\frac{1}{2}$
26x32	2.10	2- 6x5-10	7
28x24	1.66	2- 8x4- 6	6
28x26	1.77	2- 8x4-10	6
28x28	1.86	2- 8x5- 2	6 $\frac{1}{2}$
28x30	1.92	2- 8x5- 6	7
28x32	2.31	2- 8x5-10	7 $\frac{1}{2}$
30x24	1.73	2-10x4- 6	6 $\frac{1}{2}$
30x26	1.91	2-10x4-10	6 $\frac{1}{2}$
30x28	1.93	2-10x5- 2	7
30x30	2.17	2-10x5- 6	7 $\frac{1}{2}$
30x32	2.39	2-10x5-10	8
32x24	2.03	3- 0x4- 6	6 $\frac{1}{2}$
32x26	2.05	3- 0x4-10	7
32x28	2.31	3- 0x5- 2	7 $\frac{1}{2}$
32x30	2.39	3- 0x5- 6	8
32x32	2.59	3- 0x5-10	8
36x24	2.11	3- 4x4- 6	7
36x26	2.38	3- 4x4-10	8
36x28	2.55	3- 4x5- 2	8
36x30	2.62	3- 4x5- 6	9

Four Light Check Rail Windows

1 $\frac{3}{8}$ inches thick

10-B-72

Size of Glass	Price per Window Glazed	Outside Measure Width Height ft. in. ft. in.	Size of Sash Weights Required Lbs.
10x20	\$1.32	2- 1x3-10	4
10x22	1.37	2- 1x4- 2	4
10x24	1.39	2- 1x4- 6	4 $\frac{1}{2}$
10x26	1.55	2- 1x4-10	4 $\frac{1}{2}$
10x28	1.56	2- 1x5- 2	5
10x30	1.61	2- 1x5- 6	5 $\frac{1}{2}$
12x20	1.33	2- 5x3-10	4 $\frac{1}{2}$
12x22	1.48	2- 5x4- 2	5
12x24	1.49	2- 5x4- 6	5
12x26	1.57	2- 5x4-10	5 $\frac{1}{2}$
12x28	1.63	2- 5x5- 2	5 $\frac{1}{2}$
12x30	1.93	2- 5x5- 6	6
12x32	2.14	2- 5x5-10	6
12x34	2.22	2- 5x6- 2	6 $\frac{1}{2}$
14x20	1.56	2- 9x3-10	5
14x22	1.69	2- 9x4- 2	5 $\frac{1}{2}$
14x24	1.71	2- 9x4- 6	6
14x26	1.77	2- 9x4-10	6
14x28	1.97	2- 9x5- 2	6 $\frac{1}{2}$
14x30	2.13	2- 9x5- 6	7
14x32	2.26	2- 9x5-10	7 $\frac{1}{2}$
14x34	2.47	2- 9x6- 2	7 $\frac{1}{2}$
14x36	2.59	2- 9x6- 6	8

Eight and Twelve LIGHT CHECK RAIL 1 $\frac{3}{8}$ INCH THICK CLEAR WHITE PINE Windows

Our Check Rail Windows are plowed and bored for sash cord and can be used with or without weights. The Check Rail feature where the two sash come together, prevents rattling and makes the windows stormproof. See illustration above.

Eight Light CHECK RAIL Windows

1 $\frac{3}{8}$ Inch Thick

10-B-74

Size of Glass	Thickness	Price per Window Glazed	Outside Measure Width Ht. ft. in. ft. in.	Size of Sash Weight Required
8x10	1 $\frac{3}{8}$	\$1.14	1- 9x3-10	3 $\frac{1}{2}$ lbs.
8x12	1 $\frac{3}{8}$	1.25	1- 9x4- 6	3 $\frac{1}{2}$ lbs.
10x12	1 $\frac{3}{8}$	1.32	2- 1x4- 6	4 $\frac{1}{2}$ lbs.
10x14	1 $\frac{3}{8}$	1.49	2- 1x5- 2	5 lbs.
12x14	1 $\frac{3}{8}$	1.65	2- 5x5- 2	5 $\frac{1}{2}$ lbs.
12x16	1 $\frac{3}{8}$	1.91	2- 5x5-10	6 lbs.

Twelve Light CHECK RAIL Windows

1 $\frac{3}{8}$ Inch Thick

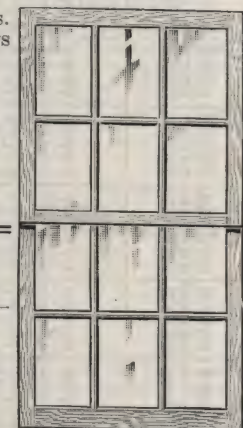
10-B-76

Size of Glass	Thickness	Price per Window Glazed	Outside Measure Width. Ht. ft. in. ft. in.	Size of Sash Weight Required
8x10	1 $\frac{3}{8}$	\$1.36	2- 4 $\frac{1}{2}$ x3-10	4 $\frac{1}{2}$ lbs.
8x12	1 $\frac{3}{8}$	1.51	2- 4 $\frac{1}{2}$ x4- 6	5 lbs.
9x12	1 $\frac{3}{8}$	1.61	2- 7 $\frac{1}{2}$ x4- 6	5 $\frac{1}{2}$ lbs.
9x14	1 $\frac{3}{8}$	1.83	2- 7 $\frac{1}{2}$ x5- 2	6 lbs.
10x12	1 $\frac{3}{8}$	1.67	2-10 $\frac{1}{2}$ x4- 6	5 $\frac{1}{2}$ lbs.
10x14	1 $\frac{3}{8}$	1.85	2-10 $\frac{1}{2}$ x5- 2	6 $\frac{1}{2}$ lbs.
12x14	1 $\frac{3}{8}$	2.32	3- 4 $\frac{1}{2}$ x5- 2	8 lbs.

Windows not listed and special sizes of all kinds made to order at lowest possible prices.



10-B-74



10-B-76

DIVIDED-LIGHT WINDOWS 1 3/8" THICK



10-B-1337



Fancy Cut-up Top Sash

Price table below includes window complete as illustrated, TOP SASH, AND BOTTOM SASH, glazed with clear glass.

CHECKRAIL
1 1/8" THICK



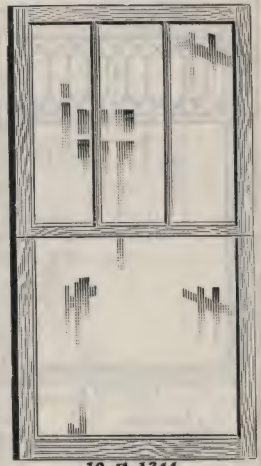
10-B-1341



Divided by Wood Bars

Glazed with clear glass high grade putty, and zinc rust-proof points.

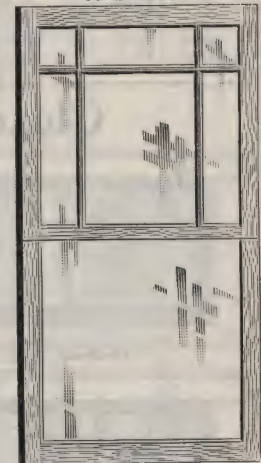
CHECKRAIL
1 1/8" THICK



10-B-1344



10-B-1342



10-B-1345

CLEAR WHITE PINE

These are the best known and most popular designs in fancy cut up top sash. Wood bars are used to divide the lights and the work is done by hand, each piece being carefully mortised in, pinned and smoothly sanded. Every light of glass is well tacked and puttied to hold its place.

A WORD ABOUT SIZES—Having our own sash factory right here at our main plant we can furnish any size at proportionately low prices.

WEIGHTS: A window 28x28 2 lights check rail 1 3/8 inches thick is considered an average size and weighs 28 pounds, shipping weight. Other sizes will weigh more or less in proportion to sizes. For size of sash weights required, see 2 Light Check Rail windows on preceding page.

Size of Glass	OUTSIDE MEASURE Width Height Ft. in. Ft. in.	10-B-1337 Price per Window Glazed	10-B-1341 Price per Window Glazed	10-B-1342 Price per Window Glazed	Size of Glass	OUTSIDE MEASURE Width Height Ft. in. Ft. in.	10-B-1344 Price per Window Glazed	10-B-1345 Price per Window Glazed
16x20	1-8x3-10	For these four sizes we would suggest 10-B-1342	For these four sizes we would suggest 10-B-1344	\$1.51	16x20	1-8x3-10	\$1.39	\$1.63
16x24	1-8x4-6			1.63	16x24	1-8x4-6	1.51	1.76
18x20	1-10x3-10			1.59	18x20	1-10x3-10	1.47	1.71
18x28	1-10x5-2			2.06	18x28	1-10x5-2	1.82	2.22
20x20	2-0x3-10	\$1.76	\$1.59	1.64	20x20	2-0x3-10	1.52	1.77
20x24	2-0x4-6	1.91	1.75	1.80	20x24	2-0x4-6	1.68	1.94
20x26	2-0x4-10	1.99	1.83	1.88	20x26	2-0x4-10	1.75	2.02
20x28	2-0x5-2	2.06	1.89	1.94	20x28	2-0x5-2	1.82	2.09
22x24	2-2x4-6	2.02	1.85	1.90	22x24	2-2x4-6	1.78	2.05
22x26	2-2x4-10	2.10	1.93	1.98	22x26	2-2x4-10	1.86	2.13
22x28	2-2x5-2	2.30	2.06	2.12	22x28	2-2x5-2	1.96	2.25
22x30	2-2x5-6	2.30	2.16	2.22	22x30	2-2x5-6	2.09	2.39
24x20	2-4x3-10	1.88	1.71	1.76	24x20	2-4x3-10	1.64	1.90
24x22	2-4x4-2	2.02	1.85	1.90	24x22	2-4x4-2	1.78	2.05
24x24	2-4x4-6	2.07	1.90	1.96	24x24	2-4x4-6	1.83	2.11
24x26	2-4x4-10	2.10	1.93	1.98	24x26	2-4x4-10	1.86	2.13
24x28	2-4x5-2	2.30	2.03	2.09	24x28	2-4x5-2	1.96	2.25
24x30	2-4x5-6	2.33	2.16	2.22	24x30	2-4x5-6	2.09	2.39
26x20	2-6x3-10	1.99	1.83	1.88	26x20	2-6x3-10	1.75	2.02
26x22	2-6x4-2	2.11	1.96	2.02	26x22	2-6x4-2	1.88	2.16
26x24	2-6x4-6	2.16	2.00	2.06	26x24	2-6x4-6	1.89	2.17
26x26	2-6x4-10	2.20	2.03	2.09	26x26	2-6x4-10	1.96	2.25
26x28	2-6x5-2	2.33	2.20	2.26	26x28	2-6x5-2	2.13	2.45
26x30	2-6x5-6	2.33	2.36	2.41	26x30	2-6x5-6	2.29	2.60
28x24	2-8x4-6	2.25	2.09	2.14	28x24	2-8x4-6	2.01	2.30
28x26	2-8x4-10	2.27	2.10	2.16	28x26	2-8x4-10	2.13	2.44
28x28	2-8x5-2	2.37	2.24	2.30	28x28	2-8x5-2	2.23	2.54
28x30	2-8x5-6	2.37	2.24	2.30	28x30	2-8x5-6	2.23	2.60
28x32	2-8x5-10	2.37	2.24	2.30	28x32	2-8x5-10	2.23	2.66
30x24	2-10x4-6	2.33	2.16	2.22	30x24	2-10x4-6	2.09	2.39
30x26	2-10x4-10	2.33	2.16	2.22	30x26	2-10x4-10	2.09	2.45
30x28	2-10x5-2	2.33	2.16	2.22	30x28	2-10x5-2	2.09	2.50
30x30	2-10x5-6	2.33	2.16	2.22	30x30	2-10x5-6	2.09	2.56
30x32	2-10x5-10	2.33	2.16	2.22	30x32	2-10x5-10	2.09	2.62
32x24	3-0x4-6	3.06	2.49	2.54	32x24	3-0x4-6	2.42	2.74
32x28	3-0x5-2	3.06	2.79	2.84	32x28	3-0x5-2	2.72	3.06
32x30	3-0x5-6	3.06	2.88	2.93	32x30	3-0x5-6	2.81	3.16



Made of special selected long fiber cotton, firmly braided. The strongest and most durable manufactured. Put up in bundles of 100 feet.

10-B-3645. No. 7 Sash Cord. 90c
3/4 inch diam. Per bundle.

High Grade Sash Weights



10-B-3643. Four weights are required to hold each window. Weights range from 3 to 9 pounds by half pounds. Heavier than 9 pounds, graduated by pounds. 2 1/4c Per Pound.



Hook Sash Lifts

Splendid quality, heavy and high grade. Finely finished and made with bevel edges. Size, 1 1/2 inches. Screws to match included.

GENUINE WROUGHT BRONZE METAL

4-B-3523. Antique Copper. Polished.

Each. 7c

4-B-3526. Lemon Brass Finish.

Each. 7c

ELECTRO BRONZE PLATED WROUGHT STEEL

4-B-3527. Antique Copper. Polished.

Each. 3c

4-B-3527 1/2. N.P. 4c

4-B-3529. Lemon Brass Finish. Each. 3c

4-B-3529 1/2. Sand Finish. Each. 4c

Bar Sash Lifts



Electro plated, wrought steel. Length of handle, 3 inches. Length over all, 4 in. Screws to match included.

4-B-3559. Lemon Brass. Each. 4c

4-B-3559 1/2. Sand Finish. Each. 5c

4-B-3557. Antique Copper. Each. 4c

4-B-3557 1/2. N.P. 5c

Steel Sash Locks



Electro plated.

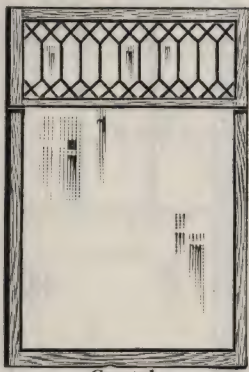
The strongest and most durable sash lock made. Holds sash closely together; prevents rattling. Screws furnished.

4-B-3601. Antique Copper and Old or Lemon Brass. Each. 5c

4-B-3602. N.P. 6c

4-B-3603 1/2. Sand Finish. 6c

Clear White Pine Front or Cottage Windows



Crystal



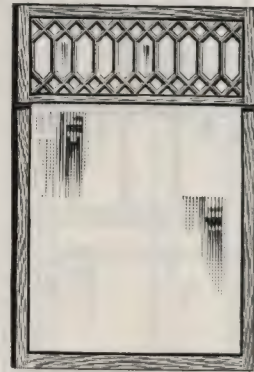
Queen Anne

13/8 inches thick
Check Rail

Choicest designs in modern cottage windows to match all styles of architecture. Crystal design has leaded glass top light. Aristocrat design has leaded bevel plate glass top light. Plain View and Queen Anne designs are glazed with first quality clear plain glass. Have check rail and are bored and plowed for sash cords.



Plain View



Aristocrat

Glass Size, Bottom Sash, Width, Height	Glass Size, Top Sash, Width, Height	Outside Measure Width, Height	"Crystal" 10-B-66 Price	"Queen Anne" 10-B-648 Price	"Plain View" 10-B-64 Price	"Aristocrat" 10-B-70 Price	Shipping Weight, Pounds
40 in. x 42 in.	40 in. x 14 in.	3 ft. 8 in. x 5 ft. 2 in.	\$5.40	\$6.45	\$4.70	\$11.25	94
40 in. x 40 in.	40 in. x 16 in.	3 ft. 8 in. x 5 ft. 2 in.	5.65	6.10	4.35	11.70	96
40 in. x 46 in.	40 in. x 14 in.	3 ft. 8 in. x 5 ft. 6 in.	5.90	7.00	4.35	11.75	100
44 in. x 40 in.	44 in. x 16 in.	4 ft. 0 in. x 5 ft. 2 in.	6.35	7.75	4.95	13.10	104
44 in. x 44 in.	44 in. x 16 in.	4 ft. 0 in. x 5 ft. 6 in.	6.75	7.40	5.65	13.50	110

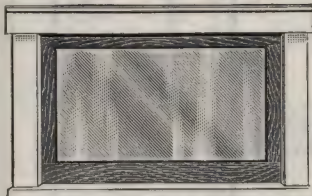
Cottage Windows are made to order; allow 10 days extra time.

Clear White Pine Hall, Closet or Stair Landing Sash

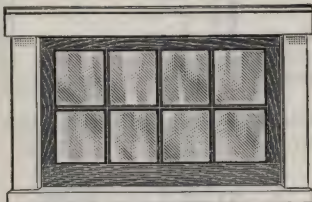
Made in First Class Manner of Clear White Pine

13/8 inches thick

The side stiles and top rail are 2 in. wide while the bottom rail is 3 in. wide. First quality material and manufacture. Glazed with first quality clear glass, strongly tacked and puttied. Exceptional values.



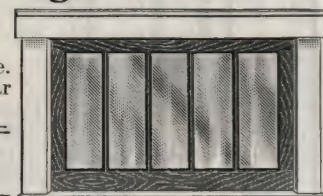
10-B-84



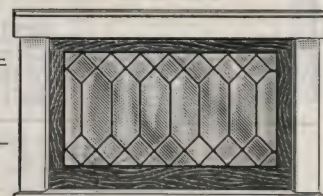
10-B-1412

Glass Size Inches	Thickness Inches	Outside Measure Width Height ft. in. ft. in.	10-B-84 Price 1 Light Glazed	10-B-1413 Price 5 Light Glazed
30x14	1 3/8	2-10x1-7	\$0.74	\$1.25
30x16	1 3/8	2-10x1-9	.76	1.28
30x18	1 3/8	2-10x1-11	.82	1.34
36x16	1 3/8	3-4x1-9	.88	1.41
36x18	1 3/8	3-4x1-11	.95	1.48
40x18	1 3/8	3-8x1-11	1.08	1.63

Glass Size Inches	Thickness Inches	Outside Measure Width Height ft. in. ft. in.	10-B-1412 Price 8 Light Glazed	10-B-1414 Price Glazed Leaded
30x14	1 3/8	2-10x1-7	\$1.43	\$3.45
30x16	1 3/8	2-10x1-9	1.46	3.78
30x18	1 3/8	2-10x1-11	1.52	4.20
36x16	1 3/8	3-4x1-9	1.59	4.49
36x18	1 3/8	3-4x1-11	1.67	4.98
40x18	1 3/8	3-8x1-11	1.81	5.50



10-B-1413



10-B-1414

Harris ONE PIECE DOUBLE CUSHION Bronze Weatherstrip

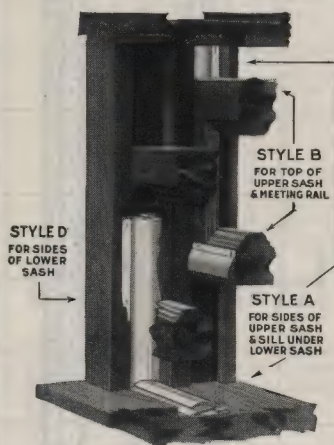
Keeps Cold Out—Keeps Heat In

The U. S. Government says that weather stripping will save from 15 to 20% of the fuel bill. Saves its cost in one year. Our Weather Strip is made from high grade genuine spring bronze, guaranteed for life of the building. Improved double cushion spring action increases efficiency, keeps the strip from losing its resiliency, which means that you are always sure of tight joints to keep out the cold, wind, rain, snow and dust.

Easiest to install. No special tools are needed; can be cut with household shears without harm. Nails and full instructions are furnished. Can be applied without taking sash out of frame. Window sets and 6 foot lengths can be shipped by Parcel Post. Door sets and lengths longer than 6 feet by express.

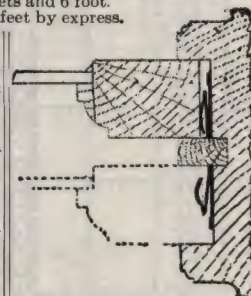
Price For Complete Sets as (Illustrated at Left)
Including Nails

Catalog Number	Description	Sizes up to and including ft. in. ft. in.	Price per Set
10-B-3060	For Check Rail Windows	2-6x5-0	\$1.06
10-B-3067	For Check Rail Windows	3-0x6-0	1.23
10-B-4284	For Check Rail Windows	3-6x7-0	1.40
10-B-4884	For Check Rail Windows	4-0x7-0	1.55
10-B-4872	For French Windows	4-0x6-0	1.52
10-B-3684	For Single Doors	3-0x7-0	1.27
10-B-4296	For Single Doors	3-6x8-0	1.46
10-B-7284	For French Doors	6-0x7-0	2.12



STYLE B
FOR TOP OF
UPPER SASH
& MEETING RAIL

STYLE A
FOR SIDES OF
UPPER SASH
& SILL UNDER
LOWER SASH



STYLE "A"

Nailed to side of window frame opposite top sash (see illustration to left) and on sill under lower sash. Prevents sash sticking and makes them slide easier. No rabbeting of sash. Also used on hinge side of casement or French window frames.

Price Per Individual Length

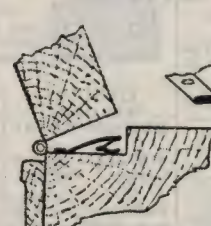
Cat. No.	Style	Length	Price, Each
10-B-3006	Style A	6 feet.....	\$0.36
10-B-3007	Style A	7 feet.....	.42
10-B-3008	Style A	8 feet.....	.48
10-B-3016	Style B	6 feet.....	.26
10-B-3017	Style B	7 feet.....	.32
10-B-3036	Style D	6 feet.....	.39
10-B-3037	Style D	7 feet.....	.46
10-B-3038	Style D	8 feet.....	.52
10-B-3046	Style E	6 feet.....	.36
10-B-3047	Style E	7 feet.....	.42
10-B-3048	Style E	8 feet.....	.48

STYLE "B"



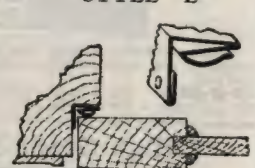
Used between meeting or check rails of windows and on top of upper sash.

STYLE "D"



Nailed to side of window frames opposite lower sash. Also used on hinge side and top of door frame and on bottom of door. Note one piece construction and double spring action.

STYLE "E"



Used on lock side of door frames and in rabbet between French doors and windows. One piece, double spring action.

Cellar Sash, Attic Sash, Dormer Sash,

ALWAYS GIVE WIDTH FIRST
Then HEIGHT and THICKNESS

Barn Sash and Transoms

ALWAYS GIVE WIDTH FIRST
Then HEIGHT and THICKNESS

ALL SASH AND WINDOWS ARE GLAZED

These Sash are made in every respect just the same as our highest class Windows

—Clear White Pine Lumber,
standard width, thickness and manu-
facture, glass strongly tacked with zinc
points and glass carefully puttied in.



Single Dormer or Gable Casement Sash
Above 10-B-330 1 3/4 Inches Thick

Size of Glass Inches	Outside meas. ft. in. ft. in.	Price Glazed
8x10	1- 8 1/4 x2-11 1/4	\$0.87
9x12	1-10 1/4 x3- 5 1/4	1.01
10x14	2- 0 1/4 x3-11 1/4	1.19



Dormer or Gable French Window
Above 10-B-337 1 3/4 Inches Thick

Outside measure ft. in. ft. in.	Price per Window, con- sisting of two Sash
2- 8x2- 6	\$1.96
2-10x2-10	2.05

Windows are rabbeted in center insuring a tight joint
when window is closed.



Iowa Sash
Above 10-B-332 1 3/4 Inches Thick

Size of Glass Inches	Outside meas. ft. in. ft. in.	Price Glazed
8x10	2- 4x2-11	\$1.08
9x12	2- 7x3- 5	1.29
10x12	2-10x3- 5	1.36

Single Sash Clear White Pine

No. 10-B-84

One Light, 1 3/4 Inches Thick



Size of Glass Inches	Price, Glazed	Outside Meas. ft. in. ft. in.
10x12	\$0.41	1- 2x1- 5
12x16	.48	1- 4x1- 9
16x20	.55	1- 8x2- 1
18x20	.61	1-10x2- 1
20x20	.63	2- 0x2- 1
20x24	.69	2- 0x2- 5
24x20	.70	2- 4x2- 1
24x24	.77	2- 4x2- 5
24x28	.83	2- 4x2- 9
24x30	.93	2- 4x2-11
30x14	.74	2-10x1- 7
30x16	.76	2-10x1- 9
30x18	.82	2-10x1-11
36x16	.88	3- 4x1- 9
36x18	.88	3- 4x1-11
40x18	1.08	3- 8x1-11

Single Sash and Door Transoms



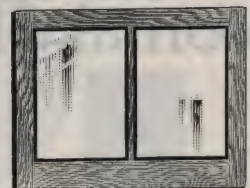
No. 10-B-80 Transom Sash,
Clear White Pine
1 Light 1 3/4 Inches Thick

Outside Measure Width Height ft. in. x ft. in.	Price, Glazed	Size of Glass Inches
2- 6x1- 0	\$0.49	26x 8
2- 6x1- 2	.51	26x10
2- 6x1- 4	.54	26x12
2- 8x1- 0	.51	28x 8
2- 8x1- 2	.52	28x10
2- 8x1- 4	.55	28x12
2- 8x1- 6	.65	28x14
2- 8x1- 8	.70	28x16
2-10x1- 0	.53	30x 8
2-10x1- 2	.54	30x10
2-10x1- 4	.63	30x12
2-10x1- 6	.67	30x14
2-10x1- 8	.72	30x16
3- 0x1- 0	.58	32x 8
3- 0x1- 2	.58	32x10
3- 0x1- 4	.66	32x12
3- 0x1- 6	.72	32x14
3- 0x1- 8	.77	32x16

Cellar Sash

Clear
White
Pine

No. 10-B-81



Two Lights, 1 3/4 Inches Thick

Size of Glass Inches	Price, Glazed	Outside Meas. ft. in. ft. in.
10x12	\$0.51	2- 1x1- 5
10x14	.54	2- 1x1- 7
10x16	.60	2- 1x1- 9
10x18	.66	2- 1x1-11
10x20	.69	2- 1x2- 1
12x14	.59	2- 5x1- 7
12x16	.62	2- 5x1- 9
12x18	.67	2- 5x1-11
12x20	.69	2- 5x2- 1
12x24	.77	2- 5x2- 5
14x16	.67	2- 9x1- 9
14x18	.73	2- 9x1-11
14x20	.77	2- 9x2- 1

Barn or Garage Sash

No. 10-B-86

Clear White Pine
Four Lights, 1 3/4 Inch Thick

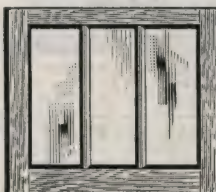


Size of Glass Inches	Price, Glazed	Outside Meas. ft. in. ft. in.
8x10	\$0.49	1- 8x2- 1
9x12	.59	1-10x2- 5
10x12	.61	2- 0x2- 5
10x14	.67	2- 0x2- 9
10x16	.81	2- 0x3- 1
12x14	.79	2- 4x2- 9
12x16	.89	2- 4x3- 1

Fire Place Sash

No. 10-B-88

Clear White Pine
Three Lights, 1 3/4 Inches Thick



Glass Size Overall Inches	Price, Glazed	Outside Meas. ft. in. ft. in.
20x24	\$0.94	2- 0x2- 5
24x20	.95	2- 4x2- 1
24x24	1.02	2- 4x2- 5

No. 10-B-87 Colonial Sash, Clear White
Pine
6 Lights 1 3/4 Inches Thick

Size of Glass Inches	Price Glazed	Outside Meas. ft. in. ft. in.
8x10	\$0.67	2- 4x2- 1
9x12	.81	2- 7x2- 5
10x12	.82	2-10x2- 5
10x14	.99	2-10x2- 9
10x16	1.15	2-10x3- 1
12x14	1.17	3- 4x2- 9
12x16	1.32	3- 4x3- 1

Cellar Sash



No. 10-B-82 Clear White Pine
Three Lights, 1 3/4 Inches Thick

Size of Glass Inches	Price, Glazed	Outside Meas. ft. in. ft. in.
7x 9	\$0.48	2- 1x1- 2
8x10	.49	2- 4x1- 3
8x12	.56	2- 4x1- 5
8x14	.60	2- 4x1- 7
9x12	.56	2- 7x1- 5
9x14	.61	2- 7x1- 7
9x16	.62	2- 7x1- 9
10x12	.53	2-10x1- 5
10x14	.58	2-10x1- 7
10x16	.69	2-10x1- 9
12x12	.70	3- 4x1- 5
12x14	.78	3- 4x1- 7
12x16	.81	3- 4x1- 9
12x18	.92	3- 4x1-11

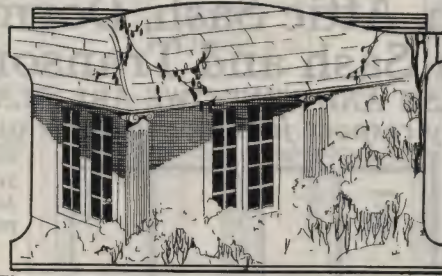
Special Sash and Windows of all kinds made to order at lowest possible price

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

FRENCH OR CASEMENT WINDOWS



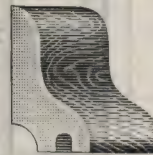
10-B-306



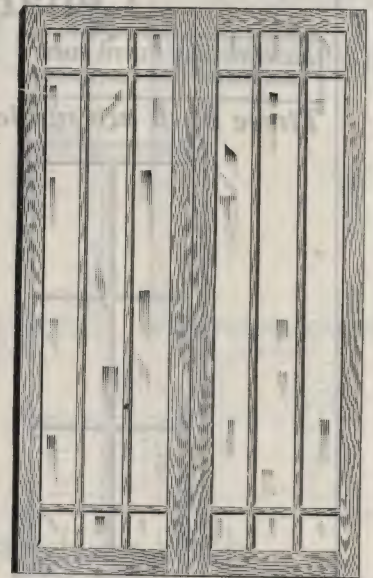
These handsome, artistic French windows harmonize with any style of architecture. Made of best quality "A" grade Soft White Pine and glazed with clear glass and best grade putty. Each sash is rabbeted on the side where they come together, insuring a close fit. Strong wood dividing bars are used and windows are built in a most substantial manner.

Windows are 1 3/8 inches thick. Special size windows of all kinds made to order.

We will furnish Clear White Pine water drip moulding 3/8 in. x 1 1/4 in., as illustrated, to be nailed on bottom rail of windows for 15c per window extra. We will rabbet bottom rail of sash for swing in style frames at 30c extra per window (two sash). Frames for these windows are illustrated and priced on page 27 of this catalog.



Water Drip Moulding



10-B-307

Price Per Window; Consisting of Two Sash

Window Opening Size	2-8x3-6	2-8x4-6	2-8x5-2	2-8x5-6	3-0x4-6	3-0x5-2	3-0x5-6	3-4x5-6	3-8x5-6	Aver. Ship. Weight
10-B-306	\$4.31	\$4.56	\$4.83	\$4.87	\$4.71	\$5.11	\$5.17	\$5.21	\$5.45	38 lbs.
10-B-307	4.35	4.79	5.15	5.44	4.85	5.32	5.45	5.72	6.00	40 lbs.

Colonial Shutters—They Beautify Any Home



Urn Panel Design



Pine Tree Panel Design



10-B-693
KEYHOLE PANEL DESIGN

To the left we illustrate an improved shutter which has all the beauty of slat shutters, with none of the rattles and breakages of the old style, due to the fact that the bottom panel is solid, but moulded on both sides to look like slats.

To the right we illustrate the conventional style of shutters with flat panels top and bottom. Shutters can be furnished with your choice of top panel designs at no advance in price. However, unless ordered to the contrary, Shutter No. 693 will be furnished with "Keyhole" design top panel, and Shutter No. 694 with "Crescent" design top panel.

You will be tremendously surprised at what an improvement in appearance a few pair of shutters will make in your home. In addition to ornamentation, shutters afford considerable protection as they will keep the house warmer in winter and cooler in summer.

Our Shutters are made from clear White Pine, well manufactured, accurately machined, and are shipped in the white (natural wood unpainted). They are manufactured to order only. Allow at least ten days' time for shipment.

They are made in pairs, each shutter covering one-half of the window. One pair of shutters is needed for each window opening. Shutters are rabbeted where they join together. All shutters are made 1 1/8 inches thick. When ordering, please remember that shutters are made to order and are not subject to cancellation. Therefore, measure exact opening each pair of shutters is to fit in, giving width first, height second. Prices are per pair.



10-B-694
CRESCENT PANEL DESIGN

Size of Opening Per Pair ft. in. ft. in.	10-B-693 Price Per Pair	Ship. Weight Per Pair	Size of Opening Per Pair ft. in. ft. in.	10-B-693 (Continued) Price Per Pair	Ship. Weight Per Pair	Size of Opening Per Pair ft. in. ft. in.	10-B-694 Price Per Pair	Ship. Weight Per Pair	Size of Opening Per Pair ft. in. ft. in.	10-B-694 (Continued) Price Per Pair	Ship. Weight Per Pair
2- 0x3-11 1/2	\$5.49	14	2- 6x5-11 1/2	\$6.84	22	2- 0x3-11 1/2	\$4.78	13	2- 6x5-11 1/2	\$5.95	21
2- 0x4- 7 1/2	5.90	16	2- 8x4- 7 1/2	6.17	20	2- 0x4- 7 1/2	5.13	15	2- 8x4- 7 1/2	5.36	19
2- 0x5- 3 1/2	6.37	17	2- 8x4-11 1/2	6.37	21	2- 0x5- 3 1/2	5.54	16	2- 8x4-11 1/2	5.54	20
2- 4x3-11 1/2	5.64	15	2- 8x5- 3 1/2	6.64	22	2- 4x3-11 1/2	4.90	14	2- 8x5- 3 1/2	5.77	21
2- 4x4- 7 1/2	6.04	17	2- 8x5- 7 1/2	6.77	23	2- 4x4- 7 1/2	5.25	16	2- 8x5- 7 1/2	5.89	22
2- 4x4-11 1/2	6.23	18	2- 8x5-11 1/2	6.91	24	2- 4x4-11 1/2	5.42	17	2- 8x5-11 1/2	6.01	23
2- 4x5- 3 1/2	6.51	19	2-10x4- 7 1/2	6.23	22	2- 4x5- 3 1/2	5.66	18	2-10x4- 7 1/2	5.42	20
2- 4x5- 7 1/2	6.64	20	2-10x4-11 1/2	6.44	23	2- 4x5- 7 1/2	5.77	19	2-10x4-11 1/2	5.60	21
2- 6x4- 7 1/2	6.11	18	2-10x5- 3 1/2	6.71	24	2- 6x4- 7 1/2	5.31	17	2-10x5- 3 1/2	5.83	22
2- 6x4-11 1/2	6.30	19	2-10x5- 7 1/2	6.84	25	2- 6x4-11 1/2	5.48	18	2-10x5- 7 1/2	5.95	23
2- 6x5- 3 1/2	6.57	20	2-10x5-11 1/2	6.97	27	2- 6x5- 3 1/2	5.71	19	2-10x5-11 1/2	6.06	25
2- 6x5- 7 1/2	6.71	21	3- 0x5-11 1/2	7.11	29	2- 6x5- 7 1/2	5.83	20	3- 0x5-11 1/2	6.18	27

For Shutters not listed allow the price of the next larger size listed above—All Shutters are made to order

Harris "Easy Change" Combination ^{Screen} Storm Doors

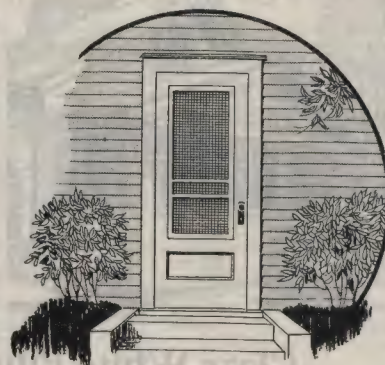
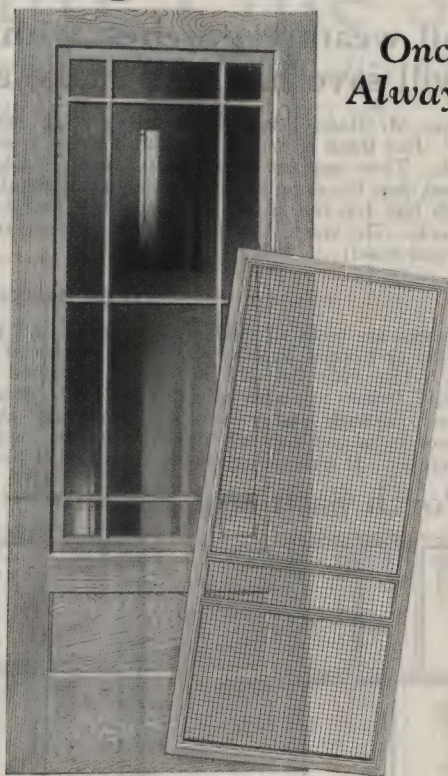
Two Doors at the Price
of One!

Once Hung
Always Hung!

As Low As
\$5⁵⁷



A Storm Door in Winter



A Screen Door in Summer

Quickly and Easily Changed

The most practical and convenient combination door made, for summer and winter use. The removable sections and openings in door are both rabbeted. When sections are in place there is formed a double lap joint which makes them dust and weather-proof.

The door is hung like any regular door—once hung—always hung—No tools needed to change sections. Furnished complete as shown with Glazed Storm and Wire Screen sections.

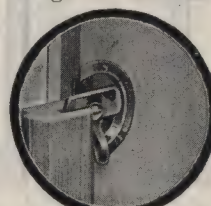


Open Position

MARGINAL

Made of clear white Pine 1½ in. thick. Storm and Screen sections are 56½ in. high in all sizes. Storm section Glazed with clear glass. Screen section covered with 14 mesh galvanized screen wire. Sanded ready for paint or varnish. Weight 75 lbs.

SIZES		Price, Each Natural Wood 10-B-1754
Width Ft. In.	Height Ft. In.	
2-6¾	6-9½	\$6.75
2-8¾	6-9½	6.80
2-8¾	7-1½	6.90
2-10¾	6-9½	6.95
2-10¾	6-11½	7.00
2-10¾	7-1½	7.10
3-0¾	6-9½	7.30
3-0¾	7-1½	7.35



Closed Position

"Easy Change" Device

Our improved Patented Locking Device has reduced time required to change sections to a few minutes. Lock is on the inside and cannot be tampered with from the outside. The door remains on hinges all-year-round; simply change the sections as weather conditions require.

When locked, sections are held securely in place and will not rattle and are fly and dust-proof. From an exterior view door appears to be of one-piece construction. No unsightly screws or bolt heads show.



LEADER

Clear white Pine 1½ in. thick. Storm and Screen sections are 43¾ in. high in all sizes. Storm section glazed with clear glass. Screen section covered with 14 mesh galvanized screen wire. This door carried in stock PAINTED GRAY ONLY. Weight 70 lbs.

"LEADER"		Price, each Painted Gray 10-B-1753
Width Ft. In.	Height Ft. In.	
2-6¾ x 6-7½		\$5.57
2-8¾ x 6-9½		5.65
2-8¾ x 7-1½		5.70
2-10¾ x 6-9½		5.95
2-10¾ x 6-11½		5.97
2-10¾ x 7-1½		6.02
3-0¾ x 6-9½		6.20
3-0¾ x 7-1½		6.25



FAVORITE

Clear white Pine 1½ in. thick. Storm and screen sections are 56½ in. high in all sizes. Storm sections glazed with clear glass. Screen section covered with 14 mesh galvanized screen wire. Sanded ready for paint or varnish. Weight 75 lbs.

"Favorite"		Price, each Natural Wood 10-B-1751
Width Ft. In.	Height Ft. In.	
2-6¾ x 6-9½		\$6.59
2-8¾ x 6-9½		6.65
2-8¾ x 7-1½		6.74
2-10¾ x 6-9½		6.78
2-10¾ x 6-11½		6.84
2-10¾ x 7-1½		6.88
3-0¾ x 6-9½		7.07
3-0¾ x 7-1½		7.15



SUPREME

Clear white Pine 1½ in. thick. Storm and screen sections are 56½ in. high in all sizes. Storm section glazed with clear glass. Screen section covered with 14 mesh galvanized screen wire. Sanded ready for paint or varnish. Weight 75 lbs.

"Supreme"		Price, each Natural Wood 10-B-1750
Width Ft. In.	Height Ft. In.	
2-6¾ x 6-9½		\$6.53
2-8¾ x 6-9½		6.60
2-8¾ x 7-1½		6.63
2-10¾ x 6-9½		6.70
2-10¾ x 6-11½		6.79
2-10¾ x 7-1½		6.83
3-0¾ x 6-9½		7.00
3-0¾ x 7-1½		7.05

Sash and Screens for Enclosed Porches and Sun Parlors

Build your own enclosed all weather porches, with our standard size sash and screens, you will save half and make a first class job

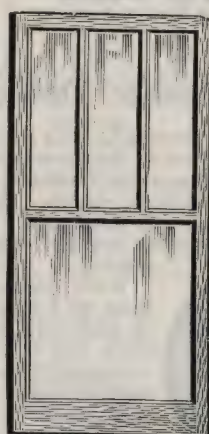


Here, Mr. Handy Man, is a chance for you to get a large variety in sizes and pretty designs of porch sash. Just think of it—24 sizes and 3 styles to select from, will make a good fit on almost any size porch. These sash are best quality, made of CLEAR WHITE PINE well tenoned, mortised and pinned, just the same as all our high grade regular windows and storm sash. Sash are made with 2-inch face top rail, 2-inch face side stile and 3-inch face bottom rail, all bars between glass are ½ inch. Thickness, 1½ inches. All sash are smoothly sanded and shipped to you in the white (natural wood).

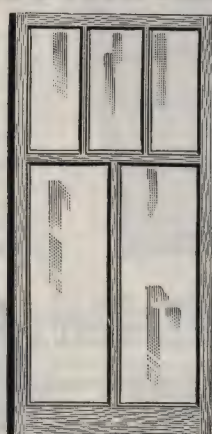
Porch Screens for Same

Screens are made in same standard sizes and quality as porch sash. Screens are offered in Galvanized or Copper Bronze wire. For additional screen information see page 36. Frame made of clear White Pine and will be furnished painted black (for your convenience) unless natural, unpainted, frames are especially specified when ordering. It is a simple task to build porch frames, fit both the sash, and screens to fill openings. Do the work in leisure time and save half the cost; get wonderful comfort and convenience from your porch by having it glazed in winter and screened in summer. It will add greatly to the value of your property.

Clear White Pine Porch Sash and Screens—1½ Inch Thick



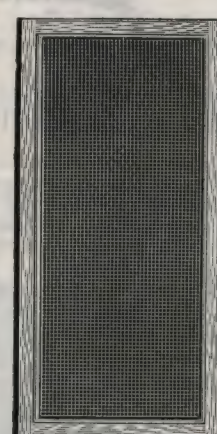
10-B-1234
4 Light Porch Sash



10-B-1230
5 Light Porch Sash



10-B-1231
6 Light Porch Sash



10-B-1238-9
1 Light Porch Screens

PORCH SASH Outside Measure		4 Light Sash 10-B-1234 Price, Each Glazed	5 Light Sash 10-B-1235 Price, Each Glazed	6 Light Sash 10-B-1236 Price, Each Glazed	ONE LIGHT PORCH SCREENS			
Width Ft. In.	Height Ft. In.				Outside Measure		10-B-1238 Galvanized Wire 14 Mesh	10-B-1239 Copper Wire 16 Mesh
1-10	4-0	\$1.43	\$1.46	\$1.39	1-10	4-0	\$1.08	\$1.62
2-0	4-0	1.52	1.50	1.46	2-0	4-0	1.10	1.66
2-2	4-0	1.57	1.60	1.59	2-2	4-0	1.16	1.74
2-4	4-0	1.65	1.68	1.67	2-4	4-0	1.21	1.83
2-6	4-0	1.72	1.77	1.76	2-6	4-0	1.30	1.94
2-8	4-0	1.80	1.87	1.91	2-8	4-0	1.35	2.02
1-10	4-6	1.50	1.57	1.50	1-10	4-6	1.10	1.66
2-0	4-6	1.59	1.75	1.63	2-0	4-6	1.16	1.74
2-2	4-6	1.67	1.77	1.76	2-2	4-6	1.21	1.83
2-4	4-6	1.80	1.81	1.78	2-4	4-6	1.27	1.91
2-6	4-6	1.81	1.94	1.93	2-6	4-6	1.32	1.99
2-8	4-6	1.93	2.02	1.94	2-8	4-6	1.38	2.08
1-10	5-0	1.67	1.78	1.68	1-10	5-0	1.21	1.83
2-0	5-0	1.76	1.83	1.78	2-0	5-0	1.27	1.91
2-2	5-0	1.83	1.96	1.94	2-2	5-0	1.32	1.99
2-4	5-0	1.94	2.02	1.96	2-4	5-0	1.38	2.08
2-6	5-0	2.09	2.15	2.07	2-6	5-0	1.40	2.10
2-8	5-0	2.22	2.24	2.09	2-8	5-0	1.46	2.19
1-10	5-6	1.80	1.91	1.81	1-10	5-6	1.24	1.86
2-0	5-6	1.87	2.02	1.89	2-0	5-6	1.30	1.94
2-2	5-6	1.99	2.15	1.98	2-2	5-6	1.35	1.99
2-4	5-6	2.09	2.22	2.07	2-4	5-6	1.40	2.10
2-6	5-6	2.26	2.31	2.17	2-6	5-6	1.46	2.19
2-8	5-6	2.28	2.41	2.24	2-8	5-6	1.52	2.27

Special sash of all kinds made to order. For prices on special size screens see page 36

Clear White Pine Window Screen Frame Material

For the man who makes his own special screens. Furnished in random lengths only.



SCREEN MOLDING

10-B-8611. Screen moulding for covering screen wire where it is nailed to edges of stiles and rails. Size ¼x¾ inches. Price, per lineal ft. ¾c



CENTER RAIL

10-B-600. Used for center rail of screen frames. Size, ¾x1½ inches. Price, per lineal foot, 1½c
Size, 1½x1½ inches. Price, per lineal foot, 2c



TOP AND SIDE RAIL

10-B-595. Top and side rail for making screen frames. Size, ¾x1½ inches. Price, per lineal foot, 1¾c
Size, 1½x1½ inches. Price, per lineal foot, 2¾c



BOTTOM RAIL

10-B-596. Used for bottom rail of screen frames. Size ¾x2¾ inches. Price, per lineal foot, 2¾c
(Also used for bottom rail of half screens.)
Size, 1½x2¾ inches. Price, per lineal foot, 4½c



10-B-603. GROOVED SIDE RAILS for half screens. Size, ¾x1½ inches. Price, per lineal foot, 1¾c

SLIDE STRIPS

10-B-602. Slide strips for side rails of half screens. Size, ¼x¾ inches. White Pine. Price, per lineal foot, ½c

Finest White Pine Storm Sash

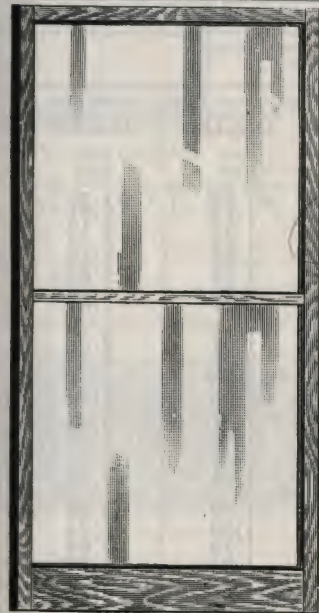
Glazed with First Quality Glass

STORM Sash insulate and prevent heat escaping through windows. They keep the temperature of the room uniform and comfortable. The saving in fuel alone will soon pay their cost.

Storm Sash are one of our specialties, and we offer you the best Storm Sash obtainable at the lowest possible prices. Harris Storm Sash are made from the finest Clear White Pine lumber, standard $1\frac{1}{8}$ " thick. They are glazed with first quality, clear, machine made American glass of uniform thickness and strength. We use Zinc rust-proof points to hold the glass in place, and the best quality putty to fill deep putty rabbet.

98¢ Harris Storm Sash are the strongest made, and you can trim $\frac{1}{2}$ " off the width and 2" off the height when fitting without greatly impairing their strength. A variance of $\frac{1}{8}$ " over in size permitted. All Storm Sash are smoothly sanded, and shipped to you in the white (natural wood) ready for paint.

2 Light Storm Sash—Ventilators 15c Extra



No. 10-B-89 2-Light

Size of Glass Inches	Will Fill Opening Width Height ft. in. ft. in.	10-B-89 Price Glazed
12x20	1-4x4-0	\$0.98
12x22	1-4x4-4	1.08
12x24	1-4x4-8	1.16
12x26	1-4x5-0	1.20
12x28	1-4x5-4	1.28
12x30	1-4x5-8	1.36
14x20	1-6x4-0	1.05
14x22	1-6x4-4	1.15
14x24	1-6x4-8	1.21
14x26	1-6x5-0	1.26
14x28	1-6x5-4	1.36
14x30	1-6x5-8	1.46
16x16	1-8x3-4	1.00
16x18	1-8x3-8	1.06
16x20	1-8x4-0	1.13
16x22	1-8x4-4	1.20
16x24	1-8x4-8	1.24
16x26	1-8x5-0	1.40
16x28	1-8x5-4	1.46
16x30	1-8x5-8	1.53
16x32	1-8x6-0	1.65
16x34	1-8x6-4	1.99
16x36	1-8x6-8	2.06
18x20	1-10x4-0	1.20
18x22	1-10x4-4	1.35
18x24	1-10x4-8	1.40
18x26	1-10x5-0	1.46
18x28	1-10x5-4	1.54
18x30	1-10x5-8	1.65
18x32	1-10x6-0	1.71
20x16	2-0x3-4	1.08
20x18	2-0x3-8	1.15
20x20	2-0x4-0	1.25
20x22	2-0x4-4	1.40
20x24	2-0x4-8	1.51
20x26	2-0x5-0	1.48

Size of Glass Inches	Will Fill Opening Width Height ft. in. ft. in.	10-B-89 Price Glazed
20x28	2-0x5-4	\$1.55
20x30	2-0x5-8	1.69
20x32	2-0x6-0	1.88
20x34	2-0x6-4	1.99
22x18	2-2x3-8	1.31
22x20	2-2x4-0	1.36
22x22	2-2x4-4	1.50
22x24	2-2x4-8	1.51
22x26	2-2x5-0	1.58
22x28	2-2x5-4	1.68
22x30	2-2x5-8	1.78
22x32	2-2x6-0	1.99
22x34	2-2x6-4	2.06
22x36	2-2x6-8	2.19
24x16	2-4x3-4	1.25
24x18	2-4x3-8	1.31
24x20	2-4x4-0	1.38
24x22	2-4x4-4	1.50
24x24	2-4x4-8	1.55
24x26	2-4x5-0	1.59
24x28	2-4x5-4	1.69
24x30	2-4x5-8	1.80
24x32	2-4x6-0	2.06
24x34	2-4x6-4	2.19
24x36	2-4x6-8	2.35
26x16	2-6x3-4	1.40
26x18	2-6x3-8	1.44
26x20	2-6x4-0	1.48
26x22	2-6x4-4	1.59
26x24	2-6x4-8	1.60
26x26	2-6x5-0	1.68
26x28	2-6x5-4	1.84
26x30	2-6x5-8	1.99
26x32	2-6x6-0	2.19
26x34	2-6x6-4	2.46
26x36	2-6x6-8	2.48

Size of Glass Inches	Will Fill Opening Width Height ft. in. ft. in.	10-B-89 Price Glazed
28x18	2-8x3-6	\$1.59
28x20	2-8x4-0	1.61
28x22	2-8x4-4	1.70
28x24	2-8x4-8	1.73
28x26	2-8x5-0	1.84
28x28	2-8x5-4	1.94
28x30	2-8x5-8	2.00
28x32	2-8x6-0	1.78
28x34	2-8x6-4	2.49
28x36	2-8x6-8	2.70
30x20	2-10x4-0	1.69
30x22	2-10x4-4	1.78
30x24	2-10x4-8	1.80
30x26	2-10x5-0	1.99
30x28	2-10x5-4	2.01
30x30	2-10x5-8	2.26
30x32	2-10x6-0	2.49
30x34	2-10x6-4	2.73
30x36	2-10x6-8	2.73
32x24	3-0x4-8	2.11
32x26	3-0x5-0	2.14
32x28	3-0x5-4	2.40
32x30	3-0x5-8	2.49
32x32	3-0x6-0	2.73
32x36	3-0x6-8	3.01
34x24	3-2x4-8	2.19
34x26	3-2x5-0	2.46
34x28	3-2x5-4	2.70
34x30	3-2x5-8	2.70
36x24	3-4x4-8	2.20
36x26	3-4x5-0	2.48
36x28	3-4x5-4	2.65
36x30	3-4x5-8	2.73
36x32	3-4x6-0	3.01
40x26	3-8x5-0	3.21
40x28	3-8x5-4	3.21

4 Light Storm Sash

$1\frac{1}{4}$ inches thick, made from Clear White Pine and glazed with first quality glass. Smoothly sanded, ready for paint. Ventilators 15 cents extra.

Size of Glass Inches	Will Fill Opening Width Height ft. in. ft. in.	No. 10-B-91 Price Glazed
10x20	2-1x4-0	\$1.38
10x22	2-1x4-4	1.43
10x24	2-1x4-8	1.48
10x26	2-1x5-0	1.61
10x28	2-1x5-4	1.63
10x30	2-1x5-8	1.88
12x20	2-2x4-0	1.39
12x22	2-2x4-4	1.54
12x24	2-2x4-8	1.55
12x26	2-2x5-0	1.65
12x28	2-2x5-4	1.70
12x30	2-2x5-8	2.01
12x32	2-2x6-0	2.23
12x34	2-2x6-4	2.31
12x36	2-2x6-8	2.41
14x20	2-2x4-0	1.63
14x22	2-2x4-4	1.76
14x24	2-2x4-8	1.78
14x26	2-2x5-0	1.84
14x28	2-2x5-4	2.05
14x30	2-2x5-8	2.21
14x32	2-2x6-0	2.38
14x34	2-2x6-4	2.58
14x36	2-2x6-8	2.70
15x30	2-11x5-8	2.41
15x32	2-11x6-0	2.58

8 Light Storm Sash

$1\frac{1}{4}$ inches thick, made from Clear White Pine and glazed with first quality glass. Smoothly sanded, ready for paint. Ventilators 15 cents extra.

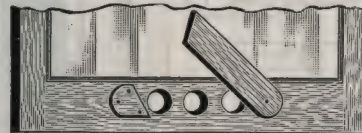
Size of Glass Inches	Will Fill Opening Width Height ft. in. ft. in.	No. 10-B-93 Price Glazed
8x10	1-9x3-11 $\frac{1}{2}$	\$1.19
9x12	1-11x4-7 $\frac{1}{2}$	1.36
9x14	1-11x5-3 $\frac{1}{2}$	1.48
10x12	2-1x4-7 $\frac{1}{2}$	1.35
10x14	2-1x5-3 $\frac{1}{2}$	1.55
10x16	2-1x5-11 $\frac{1}{2}$	1.81
12x14	2-2x5-3 $\frac{1}{2}$	1.99
12x16	2-2x5-11 $\frac{1}{2}$	2.18
14x16	2-2x5-11 $\frac{1}{2}$	2.18

12 Light Storm Sash

$1\frac{1}{4}$ inches thick, made from Clear White Pine and glazed with first quality glass. Smoothly sanded, ready for paint. Ventilators 15 cents extra.

Size of Glass Inches	Will Fill Opening Width Height ft. in. ft. in.	No. 10-B-92 Price Glazed
8x10	2-4 $\frac{1}{2}$ x3-11 $\frac{1}{2}$	\$1.41
8x12	2-4 $\frac{1}{2}$ x4-7 $\frac{1}{2}$	1.58
9x12	2-7 $\frac{1}{2}$ x4-7 $\frac{1}{2}$	1.68
9x14	2-7 $\frac{1}{2}$ x5-3 $\frac{1}{2}$	1.90
10x12	2-10 $\frac{1}{2}$ x4-7 $\frac{1}{2}$	1.74
10x14	2-10 $\frac{1}{2}$ x5-3 $\frac{1}{2}$	1.93
10x16	2-10 $\frac{1}{2}$ x5-11 $\frac{1}{2}$	2.35
12x14	3-4 $\frac{1}{2}$ x5-3 $\frac{1}{2}$	2.41
12x16	3-4 $\frac{1}{2}$ x5-11 $\frac{1}{2}$	2.74
12x18	3-4 $\frac{1}{2}$ x6-7 $\frac{1}{2}$	2.99

Ventilators



Storm sash can be furnished with ventilators in the bottom rail if desired. If you want them, be sure to specify so on your order and add 15c to the price of each sash.

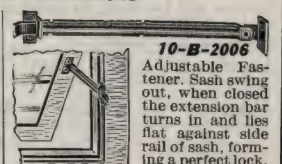
Storm Sash Hangers and Fasteners



10-B-2007 Set of Hangers and Fasteners; including screws. Special Price..... **20c**



10-B-2005 Storm Sash Hanger. Works like a hinge, one on each corner at top. Simplest contrivance ever devised. Per pair, including screws..... **8c**

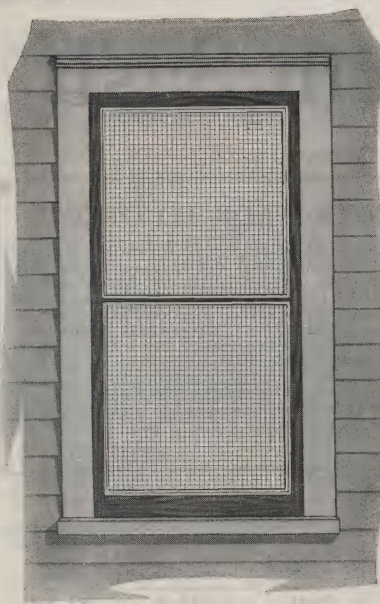


10-B-2006 Adjustable Fastener. Sash swing out, when closed the extension bar turns in and lies flat against side rail of sash, forming a perfect lock, prevents rattling, holds sash tight against window frame. Per pair, including screws..... **15c**

Sash Buttons



10-B-3655 Buttons. Japanned. Length $1\frac{1}{2}$ inches. Including screws. Per dozen..... **15c**



Full Height WINDOW SCREENS

CLEAR WHITE PINE—1½ INCH THICK—FRAMES PAINTED
BLACK—STOCK SIZES—OUR OWN MANUFACTURE

Buy Best Screens Now at Lowest Prices!

Here you can buy window screens of finest manufacture at lowest-factory-direct-to-you-prices. In fact our improved labor saving equipment has made it possible for us to supply you with window screens, made with clear white pine frames and covered with FINE MESH GALVANIZED or COPPER BRONZE wire at about the same price as regularly asked for the old time coarse mesh black wire screens.

By installing the latest improved labor saving machinery in our screen factory and manufacturing in tremendous quantities—milling the frames under our direct supervision—by using automatic tackers, staplers and stretchers we have improved construction and greatly reduced the labor cost. Instead of rough flimsy frames our screens are made of Clear White Pine smoothly finished and strongly joined. If you need window, porch or door screens buy them here—get best screens and save money.

Comfort and Safety!

Prepare now to shut out the disease breeding, death dealing army of flies and mosquitoes when it makes its yearly invasion. There's no need to warn you of the dangers they bring from the cesspools and garbage piles. A few dollars spent now for our fine close mesh screens means safety and comfort which comes with well ventilated, cool living rooms and porches.

Frames of Clear White Pine

The frames of our full height screens are made of Clear White Pine lumber 1½ in. thick. Side and top rails 2 in. wide, bottom rail 3 in. wide and center bar 1½ in. wide; mortise and tenon joined at corners and securely held with steel dowel pins. All frames are neatly moulded and far more attractive than ordinary square stock screens.

Galvanized or Copper-Bronze Wire

Fine mesh No. 14 galvanized wire (that is 14 wires to the inch both ways; 28 wires to the square inch) is used to cover our galvanized wire screens and No. 16 mesh (an even finer mesh) on the copper-bronze wire covered screens. This screen wire is drum stretched over and fastened to the frames with patented staples. These staples hold three or four wires at each point and prevent bulging and sagging of the screen wire—far superior to ordinary tacks.

All Screen Frames Painted Black

Your screens will come to you with frames painted black. We use a good quality special process semi-gloss enamel—which is evenly sprayed on in our modern paint shop. This alone saves you 25c to 50c per screen and the troublesome job of painting. If wanted, screens can be furnished with frames unpainted at the same prices shown.

STOCK SIZE FULL HEIGHT WINDOW SCREENS

Size of Screen Over All Measurement		Galvanized Wire 14 mesh 10-B-528	Copper Wire 16 mesh 10-B-529	Size of Screen Over All Measurement		Galvanized Wire 14 mesh 10-B-528	Copper Wire 16 mesh 10-B-529	Size of Screen Over All Measurement		Galvanized Wire 14 mesh 10-B-528	Copper Wire 16 mesh 10-B-529
Width Ft. In.	Height Ft. In.	Price Each	Price Each	Width Ft. In.	Height Ft. In.	Price Each	Price Each	Width Ft. In.	Height Ft. In.	Price Each	Price Each
1-4x3-11½		\$0.98	\$1.47	2-2x3-11½		\$1.14	\$1.71	2-9x3-11½		\$1.28	\$1.92
1-4x4-7½		1.00	1.50	2-2x4-7½		1.26	1.89	2-9x4-3½		1.34	2.01
1-4x4-11½		1.06	1.59	2-2x4-11½		1.31	1.96	2-9x4-7½		1.43	2.13
1-4x5-3½		1.08	1.62	2-2x5-3½		1.37	2.05	2-9x4-11½		1.48	2.18
1-4x5-7½		1.12	1.68	2-2x5-7½		1.40	2.10	2-9x5-3½		1.53	2.23
1-6x3-11½		.99	1.49	2-4x3-7½		1.14	1.71	2-9x5-7½		1.59	2.29
1-6x4-7½		1.06	1.59	2-4x3-11½		1.20	1.80	2-9x5-11½		1.67	2.35
1-6x5-3½		1.14	1.71	2-4x4-3½		1.26	1.89	2-9x6-3½		1.70	2.35
1-8x3-11½		1.03	1.54	2-4x4-7½		1.31	1.96	2-9x6-7½		1.76	2.44
1-8x4-7½		1.12	1.68	2-4x4-11½		1.37	2.05	2-10x4-7½		1.45	2.17
1-8x4-11½		1.14	1.71	2-4x5-3½		1.42	2.13	2-10x4-11½		1.51	2.26
1-8x5-3½		1.20	1.80	2-4x5-7½		1.45	2.17	2-10x5-3½		1.56	2.34
1-8x5-7½		1.23	1.84	2-4x5-11½		1.51	2.26	2-10x5-7½		1.62	2.43
1-10x3-11½		1.06	1.59	2-5x3-11½		1.22	1.83	2-10x5-11½		1.70	2.51
1-10x4-7½		1.14	1.71	2-5x4-7½		1.33	1.99	2-10x6-3½		1.76	2.64
1-10x4-11½		1.20	1.80	2-5x4-11½		1.39	2.08	3-0x4-7½		1.51	2.26
1-10x5-3½		1.26	1.89	2-5x5-3½		1.44	2.16	3-0x4-11½		1.56	2.34
1-10x5-7½		1.28	1.92	2-5x5-7½		1.48	2.22	3-0x5-3½		1.62	2.43
2-0x3-11½		1.12	1.68	2-5x5-11½		1.53	2.29	3-0x5-7½		1.68	2.50
2-0x4-3½		1.14	1.71	2-6x3-3½		1.17	1.75	3-0x5-11½		1.76	2.58
2-0x4-7½		1.20	1.80	2-6x3-11½		1.23	1.84	3-4x4-7½		1.59	2.38
2-0x4-11½		1.26	1.89	2-6x4-3½		1.28	1.92	3-4x4-11½		1.65	2.47
2-0x5-3½		1.31	1.96	2-6x4-7½		1.34	2.01	3-4x5-3½		1.73	2.55
2-0x5-7½		1.34	2.01	2-6x4-11½		1.40	2.10	3-4x5-7½		1.79	2.63
2-0x5-11½		1.40	2.10	2-6x5-3½		1.45	2.17	3-4x5-11½		1.87	2.71
2-1x3-11½		1.13	1.69	2-6x5-7½		1.51	2.26	3-8x4-7½		1.67	2.50
2-1x4-7½		1.23	1.84	2-6x5-11½		1.56	2.34	3-8x4-11½		1.73	2.59
2-1x4-11½		1.28	1.92	2-8x3-11½		1.44	2.16	3-8x5-3½		1.81	2.71
2-1x5-3½		1.34	2.01	2-8x4-7½		1.56	2.34	3-8x5-7½		1.90	2.83
2-1x5-7½		1.37	2.05	2-8x4-11½		1.63	2.44	3-8x5-11½		1.95	2.92
				2-8x5-3½		1.69	2.53				
				2-8x5-7½		1.75	2.63				
				2-8x5-11½		1.84	2.76				

Be sure to Specify Kind of Wire

Any Special Size Quickly Made to Order!

Special sizes other than those listed above will be made to order of the same kind of material and manufactured so that all screens will match, AT 35c EXTRA PER SCREEN to be added to the price of the next largest stock size screen listed above.

When ordering Screens, always give the WIDTH FIRST; HEIGHT NEXT and THEN THE THICKNESS. Made to order or special screens are not subject to cancellation or exchange. A variation of ½ inch over in size permitted on all screens.

Special Size Porch Screens

Porch screens to match our regular Stock sizes listed on page 34 will be made to order at the following prices: 1½ inches THICK. Finished painted black. Can be furnished unpainted same price.

CAT. NO.	KIND OF WIRE	Price per sq. ft.
10-B-558	14 Mesh Galvanized.....	16c
10-B-559	16 Mesh Cop. Bronze.....	24c

NO PORCH SCREEN MADE FOR LESS THAN \$1.50
Porch Screens shorter than six foot use price of full height window screens per above, but specify for porch.

Special Transom and Sash Screens

Cellar and Transom Screens to match our stock size Screens will be made to order at the following prices: 1½ inches THICK. Finished painted black. Can be furnished unpainted same price.

Any size up to and including		14 Mesh Galvanized Wire 10-B-518	16 Mesh Copper Wire 10-B-519
Width Ft. In.	Height Ft. In.		
3-0	2-0	\$1.26	\$1.89
3-0	3-0	1.55	2.32
4-0	3-0	1.72	2.50

Always give Width—then Height. State size in feet and inches.

SLIDING HALF SCREENS

ACCURATELY MADE—QUICK SERVICE

Not Adjustable

Made with frames of clear WHITE PINE: 1 inch stock, finished ¾ inch net. Tenoned and mortised joints, mitred moulding, drum stretched wire and tacked with patented staples. A real screen.

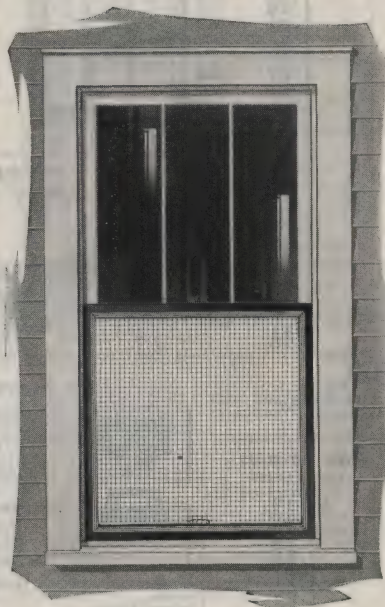
Furnished Painted Black, but can be had in the natural wood unpainted, if so ordered—same price.

When ordering give WIDTH first. For these half-height Screens, measure the width between blind stops (the ¾ inch wood strips that hold the upper sash in place) the height measure should be the distance from the sill to the top of bottom sash.

Price includes "slides" or tongue strips which are to be nailed on the blind stops for screen to slide up and down on. Screen lift handle already applied is included.

NOTE—GIVE WIDTH FIRST

Any size up to and including		14-Mesh Galvanized Wire 10-B-508	16-Mesh Copper Wire 10-B-509
Width Ft. In.	Height Ft. In.		
1-11	2-0¼	\$0.79	\$1.19
2-3	2-0¼	.83	1.24
2-3	2-4¼	.88	1.32
2-3	2-6¼	.94	1.41
2-3	2-8¼	.96	1.44
2-5	2-6¼	.97	1.46
2-7	2-4¼	.98	1.47
2-7	2-8¼	1.03	1.54
2-9	2-8¼	1.05	1.57
2-9	3-0¼	1.10	1.65
2-11	2-10¼	1.12	1.68
2-11	3-4¼	1.21	1.81
3-3	3-4¼	1.24	1.86
3-7	3-4¼	1.30	1.95



SCREEN DOORS: FINEST DOORS MADE

Galvanized or Copper Bronze Wire

Galvanized Wire at Black Wire Prices

See Page 36 for Additional Screen Information

Be Sure and specify the kind of wire when ordering

"FLORIDA" SCREEN DOOR

Made of clear WHITE PINE LUMBER, 1½ inches thick, clear and free of all defects. All joints mortised, tenoned, pinned and glued. Wire is drum stretched and securely tacked. Framework is neatly moulded and painted with one coat of good black paint. Door is ready to fit and hang and you are saved the expense and muss of painting.

"MOBILE" SCREEN DOOR

Made of clear WHITE PINE LUMBER, 1½ inches thick, no knots or defects, best workmanship. Joints mortised, tenoned, glued and pinned. Wire is drum stretched and securely tacked. Framework is neatly moulded and covered with two coats of waterproof varnish—over the natural wood finish. No additional paint or varnish is necessary. Doors are ready to fit and hang.

Size of Door Width Ft. In. Height Ft. In.	14 Mesh Galvanized Wire	16 Mesh Copper Wire	Size of Door Width Ft. In. Height Ft. In.	14 Mesh Galvanized Wire	16 Mesh Copper Wire
	10-B-538 Price Each	10-B-539 Price Each		10-B-568 Price Each	10-B-569 Price Each
2- 6½x6- 7½	\$2.62	\$3.79	2- 6½x6- 7½	\$3.47	\$4.68
2- 8½x6- 9½	2.74	3.97	2- 8½x6- 9½	3.60	4.87
2-10½x6- 9½	2.79	4.04	3- 0½x6- 9½	3.93	5.30
2-10½x6-11½	2.86	4.14	2-10½x6-11½	3.79	5.11
2- 8½x7- 1½	2.82	4.09	2- 8½x7- 1½	3.72	5.02
2-10½x7- 1½	2.91	4.22	2-10½x7- 1½	3.84	5.18
3- 0½x7- 1½	2.96	4.29	3- 0½x7- 1½	3.95	5.32

"FLORIDA" 10-B-538

All screen doors are made "oversize" to allow for fitting.

"MOBILE" 10-B-568

MODERN ART GLASS

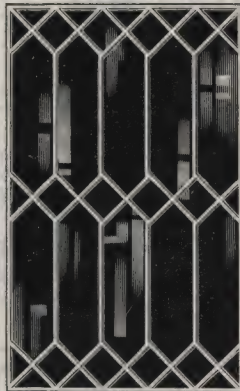
Best of workmanship and materials. When ordering Art Glass always give width first. Made to your size; allow 10 days' time. Minimum charge \$2.00. Add 35 cents extra (per order) for boxing glass.



10-B-1541

10-B-1541. Leaded clear sheet crystal art glass per square foot... 75c

10-B-1548. Leaded clear sheet crystal art glass per square foot... 78c



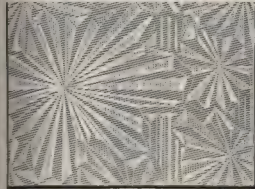
10-B-1548

FIRST QUALITY WINDOW GLASS

We specialize in flat-drawn American machine-made glass. The strongest and clearest kind made. Every piece standard in every way, carefully inspected and securely packed in strong boxes to insure safe delivery. Ten thousand boxes always on hand. We carry many sizes not listed. Odd size lights and sizes not listed take price of next larger size. Add 35 cents extra (per order regardless of size) for boxing glass.

Size Inches	Price Per Light	Price Per Box	Lights Per Box	Size Inches	Price Per Light	Price Per Box	Lights Per Box
6x 8	\$0.02 ½	\$2.95	150	20x22	\$0.29	\$3.85	16
7x 9	.03	2.95	114	20x24	.31	3.85	15
8x10	.04	2.95	90	20x26	.33	3.85	14
8x12	.05	2.95	75	20x28	.35	3.85	13
8x14	.06	2.95	64	20x30	.36	3.85	12
8x16	.07	2.95	56	20x32	.38	3.85	11
9x12	.05 ½	2.95	67	20x36	.40	4.00	10
9x14	.06 ½	2.95	57	20x48	.65	4.00	8
9x16	.07 ½	2.95	50	20x54	1.37	7.55	7
10x12	.06	2.95	60	22x22	.31	3.85	15
10x14	.07	2.95	51	22x24	.33	3.85	14
10x16	.09	2.95	45	22x26	.35	3.85	13
10x18	.10	2.95	40	22x28	.36	3.85	12
10x20	.11 ½	2.95	36	22x30	.38	3.90	11
10x24	.14	3.40	30	22x32	.40	3.90	10
10x26	.15	3.40	28	22x34	.42	4.00	9
10x28	.16	3.40	26	22x36	.44	4.00	8
10x32	.20	3.40	24	22x42	.50	4.30	7
12x14	.09 ½	3.40	43	22x46	1.60	7.55	6
12x16	.11	3.40	38	24x24	.39	3.85	12
12x18	.12 ½	3.40	33	24x26	.41	3.85	11
12x20	.14	3.40	30	24x28	.43	3.90	10
12x24	.17	3.40	25	24x30	.45	3.90	9
12x26	.18	3.40	23	24x32	.47	4.00	8
12x28	.20	3.40	21	24x34	.49	4.00	7
12x30	.22	3.40	20	24x36	.51	4.00	6
12x36	.27	3.40	17	24x40	.54	4.30	5
14x16	.13	3.40	32	24x46	1.92	7.55	5
14x18	.14	3.40	29	26x26	.43	3.90	11
14x20	.16	3.40	26	26x28	.45	4.00	10
14x24	.20	3.40	21	26x30	.47	4.00	9
14x26	.21	3.40	20	26x32	.49	4.00	8
14x28	.22	3.40	18	26x34	.51	4.00	7
14x30	.23	3.40	17	26x36	.53	4.30	6
14x32	.24	3.40	16	26x40	.56	4.30	5
14x34	.25	3.40	15	26x44	.60	4.30	4
14x36	.26	3.40	14	26x50	1.06	8.25	3
14x40	.33	3.90	13	26x60	2.09		
16x18	.16 ½	3.40	25	28x28	.53	4.00	9
16x20	.18	3.40	23	28x30	.55	4.00	8
16x24	.22	3.40	19	28x32	.57	4.30	7
16x26	.23	3.40	17	28x34	.59	4.30	6
16x28	.24	3.40	16	28x36	.61	4.30	5
16x30	.25	3.40	15	28x40	.64	4.30	4
16x32	.26	3.40	14	30x30	.65	4.30	8
16x36	.28	3.40	13	30x32	.67	4.30	7
16x42	.44	4.00	11	30x34	.69	4.30	6
18x20	.21	3.55	20	30x36	.71	4.30	5
18x22	.22	3.55	18	30x40	.74	4.30	4
18x24	.23	3.55	17	32x32	.74	4.30	7
18x26	.24	3.55	15	32x34	.76	4.30	6
18x28	.25	3.55	14	32x36	.78	4.30	5
18x32	.27	3.55	13	40x40	1.87	7.40	15
18x36	.28	3.55	11				
20x20	.26	3.85	18				

Frosted Glass



10-B-702 Double strength Florentine design frosted glass per sq. ft. 18c

Green House Sash Bars

CLEAR SOFT FIR



INSIDE SASH BAR 10-B-8435

Used between Glass. Size, 1½x2½. Price, per 100 running feet \$4.90



END SASH BAR 10-B-8436

Used at end. Has only one square shoulder for glass to rest upon. Size 1½x2½. Price 100 running feet \$4.90

Hot Bed Sash

CLEAR WHITE PINE Improved 4 Row Type

Four rows of glass. Extra strong bars. All joints extra strong, mortised and tenoned. Standard size 7x9 glass (costs less to replace). Glass set by hand. Best linseed oil putty. Large triangular zinc glazing points. Extra size tacks to hold glass in place.

Extra clear rabbit. Wood—Clear, well seasoned, close-grain White Pine. Strengthened by heavy brads. Largest number of strength-giving qualities. Smallest number of shadow-casting bracing devices. Quick shipment from Chicago.

Strength Guaranteed



10-B-1702. Hot Bed Sash 3 feet by 6 feet 1½ inch thick. Price each, Glazed... \$2.86

10-B-1755. Hot Bed Sash 3 feet by 3 feet, 1½ inch thick. Price each, Glazed... \$1.89

Unbreakable

"Cel-O-Glass"

For Health

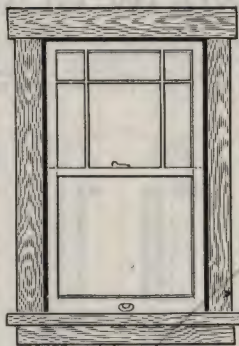
4-B-2204. "Cel-O-Glass," made by coating wire with a transparent substance, allows the sun's health-giving Ultra-violet rays to penetrate to the interior of buildings. Ordinary glass repels these vitalizing rays. In addition to this unusual quality, "Cel-O-Glass" is unbreakable, is not affected by weather conditions, is pliable and will support 200 lbs. per sq. ft. Used for poultry houses, hot beds, sun porches, doors and windows or any place where glass is required. Easy to apply—cut with scissors and nail in place. Shipped in rolls. Free sample on request.

Rolls of	Width	Sq. Ft.	Price Roll
12½ ft.	3 ft.	37½	\$ 5.70
25 ft.	3 ft.	75	11.25
50 ft.	3 ft.	150	22.50

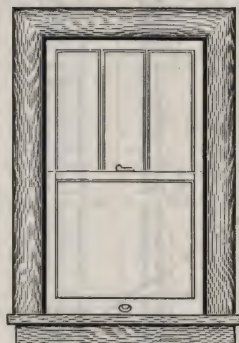
No Waste Window and Door Trim



**"Back Band"
Door and Window
Trim**



**"Mission"
Door and Window
Trim**



**"Mitered Round
Edge" Casing
Door and Window
Trim**



Made of finest selected mouldings clear and smooth. No waste when you order inside trim from these pages and no chance of mistakes. Saves much time and expense. Cut to lengths with liberal allowance for fitting on the job. Do not overlook to order two sets of trim for inside doors, one for each side and one set for outside doors and windows. **Stops or jambs are not included with door trim sets; they must be ordered separate.** For Stops see below, for Jambs see page 22.

If the size you require is not listed, allow price of next larger size. For mullion and triple window trim sets allow 2 and 3 times the price of single window trim; 5 $\frac{3}{4}$ inches center Casing will be furnished.

BACK BAND DOOR TRIM

The Back Band Trim shown is one of the styles of handsome trim used in our Harris Homes—a modern trim easy for the carpenter to apply and easy for the housewife to keep clean.

Any size door opening up to and including		Each set consists of $\frac{3}{4}$ x3 $\frac{1}{2}$ in. Casing No. 1000, 1 $\frac{1}{2}$ x1 $\frac{1}{2}$ Back Band No. 1002. For stops see below.			
Width	Height	10-B-1007 X	10-B-1008 X	10-B-1009 X	10-B-1010 X
ft. in.	ft. in.	Yellow Pine	Fir	Red Oak	Birch
2-8 x 6-8		\$1.12	\$1.14	\$2.11	\$2.26
3-0 x 7-0		1.22	1.24	2.30	2.45
5-0 x 7-0		1.34	1.37	2.53	2.70
8-0 x 8-0		1.65	1.68	3.10	3.31

BACK BAND WINDOW TRIM

Any size window opening up to and including

Each set consists of $\frac{3}{4}$ x3 $\frac{1}{2}$ in. Casing No. 1000, 1 $\frac{1}{2}$ x1 $\frac{1}{2}$ Back Band No. 1002, Stool No. 8267, Apron No. 8379 and O. G. Stops.		10-B-1013 X	10-B-1014 X	10-B-1015 X	10-B-1016 X
Width	Height	Yellow Pine	Fir	Red Oak	Birch
ft. in.	ft. in.				
2-4 x 3-10		\$1.16	\$1.19	\$2.23	\$2.40
2-4 x 4-10		1.30	1.33	2.50	2.68
2-4 x 5-10		1.44	1.47	2.78	2.97
3-0 x 3-10		1.27	1.30	2.44	2.62
3-0 x 4-10		1.41	1.44	2.71	2.90
3-0 x 5-10		1.55	1.57	2.98	3.20
4-0 x 5-10		1.78	1.81	3.42	3.66

MISSION DOOR TRIM

To those who fancy a plain trim, we recommend our Mission Style. When used with our Seattle or Olympia Door, it is considered a harmonizing design.

Any size door opening up to and including		Each set consists of $\frac{3}{4}$ x3 $\frac{1}{2}$ in. Casing No. 1000, $\frac{1}{2}$ x4 $\frac{1}{4}$ Head Casing, No. 134 Base Blocks. For stops see below.			
Width	Height	10-B-1908 X	10-B-1909 X	10-B-1910 X	10-B-1911 X
ft. in.	ft. in.	Yellow Pine	Fir	Red Oak	Birch
2-8 x 6-8		\$0.88	\$0.91	\$1.68	\$1.81
3-0 x 7-0		1.00	1.03	1.87	2.04
5-0 x 7-0		1.14	1.18	2.17	2.33
8-0 x 8-0		1.44	1.48	2.73	2.93

MISSION WINDOW TRIM

Any size window opening up to and including

Each set consists of $\frac{3}{4}$ x3 $\frac{1}{2}$ in. Casing No. 1000, $\frac{1}{2}$ x4 $\frac{1}{4}$ Head Casing, Stool No. 8267, Apron No. 8379 and O. G. Stops.		10-B-1912 X	10-B-1913 X	10-B-1914 X	10-B-1915 X
Width	Height	Yellow Pine	Fir	Red Oak	Birch
ft. in.	ft. in.				
2-0 x 3-10		\$0.92	\$0.93	\$1.78	\$1.91
2-0 x 4-10		1.01	1.03	1.96	2.10
2-8 x 3-10		1.02	1.04	1.97	2.11
2-8 x 4-10		1.11	1.12	2.14	2.29
2-8 x 5-10		1.20	1.22	2.32	2.49
3-2 x 4-10		1.21	1.23	2.33	2.50
3-2 x 5-10		1.29	1.31	2.49	2.66
4-0 x 5-10		1.47	1.49	2.83	3.14

ROUND EDGE MITERED DOOR AND WINDOW TRIM

Our Mitered Round Edge Trim, like our Back Band Trim, is of the sanitary style and when nicely finished, it makes a very pretty interior trim.

Any size door opening up to and including		Set consists of R. E. Casing No. 8309 and Base Blocks No. 144. For stops see below		Any size window opening up to and including		Set consists of R. E. Casing No. 8309 Stool No. 8267 Apron No. 8379, O. G. Stops	
Width	Height	10-B-2033 X		Width	Height	10-B-2042 X	
ft. in.	ft. in.	Yellow Pine		ft. in.	ft. in.	Yellow Pine	
2-0 x 7-0		\$0.99		2-0 x 4-6		\$1.01	
2-8 x 7-0		1.01		2-6 x 4-6		1.09	
3-0 x 7-0		1.05		2-6 x 5-6		1.20	
5-0 x 7-0		1.13		3-0 x 4-6		1.16	
8-0 x 8-0		1.46		3-0 x 5-6		1.28	

O. G. DOOR STOPS

One set of Door Stops is needed for each inside door. Prices are for Stops No. 8085. Price per set.

Width	Height	10-B-8951	10-B-8952	10-B-8953	10-B-8954
ft. in.	ft. in.	Yellow Pine	Fir	Red Oak	Birch
2-8 x 6-8		\$0.17	\$0.18	\$0.43	\$0.46
3-0 x 7-0		.20	.21	.50	.54
5-0 x 7-0		.22	.23	.55	.60

Yellow Pine, Fir, Oak and Birch

Cut to lengths with liberal allowance for fitting on the job. Don't forget to order two sets of trim for inside doors, one for each side and one set for outside doors and windows. Stops are not included with door trim sets; they must be ordered separate.

If the size you require is not listed, allow price of next larger size. For mullion and triple window trim sets allow 2 and 3 times the price of single window trim; 5½ inch Center Casing will be furnished.

THREE MEMBER CAP DOOR TRIM

Our Three Member Cap Trim illustrated is a standard style used in many homes today. It is always impressive, regardless of what style door it is used with.

Any size door opening up to and including Width Height ft. in. ft. in.	Each set consists of ¾x4¼ inch Casing No. 8309, Three Member Cap and Base Blocks No. 144. For Stops see below.				
	10-B-914x Yellow Pine	10-B-925x Fir	10-B-916x Red Oak	10-B-917x Birch	
2-8 x 6-8	\$1.16	\$1.19	\$2.18	\$2.33	
3-0 x 7-0	1.28	1.32	2.41	2.58	
5-0 x 7-0	1.48	1.52	2.78	2.98	
8-0 x 8-0	1.86	1.90	3.52	3.76	

THREE MEMBER CAP WINDOW TRIM

Each set consists of ¾x4¼ inch Casing No. 8309, Three Member Cap, Stool No. 8267, Apron No. 8379 and O. G. Stops.

Any size window opening up to and including Width Height ft. in. ft. in.	10-B-988x Yellow Pine	10-B-982x Fir	10-B-990x Red Oak	10-B-991x Birch
2-4 x 3-10	\$1.17	\$1.19	\$2.27	\$2.42
2-4 x 4-10	1.28	1.30	2.48	2.65
2-4 x 5-10	1.49	1.41	2.68	2.88
3-0 x 3-10	1.30	1.32	2.51	2.68
3-0 x 4-10	1.41	1.43	2.72	2.91
3-0 x 5-10	1.52	1.54	2.94	3.14
4-0 x 5-10	1.73	1.76	3.35	3.59

CHAMFERED HEAD DOOR TRIM

It is hard to choose a more attractive design than our Chamfered Head Interior Trim. We recommend this trim for high grade homes.

Any size door opening up to and including Width Height ft. in. ft. in.	Each set consists of ¾x3½ inch Square Edge Casing No. 1000, ¾x5½ Chamfered Head and Base Blocks No. 134. For Stops see below.				
	10-B-2234x Yellow Pine	10-B-2235x Fir	10-B-2236x Red Oak	10-B-2237x Birch	
2-8 x 6-8	\$1.11	\$1.15	\$2.02	\$2.17	
3-0 x 7-0	1.24	1.27	2.26	2.42	
5-0 x 7-0	1.42	1.46	2.37	2.79	
8-0 x 8-0	1.78	1.65	2.98	3.50	

CHAMFERED HEAD WINDOW TRIM

Each set consists of ¾x3½ inch Square Edge Casing No. 1000, ¾x5½ Chamfered Head, Stool No. 8267, Apron No. 8379 and O. G. Stops.

Any size window opening up to and including Width Height ft. in. ft. in.	10-B-3940x Yellow Pine	10-B-3941x Fir	10-B-3942x Red Oak	10-B-3943x Birch
2-0 x 3-10	\$1.14	\$1.16	\$2.11	\$2.24
2-0 x 4-10	1.24	1.25	2.29	2.44
2-8 x 3-10	1.25	1.26	2.30	2.45
2-8 x 4-10	1.34	1.37	2.49	2.64
2-8 x 5-10	1.41	1.45	2.67	2.84
3-2 x 4-10	1.44	1.46	2.68	2.85
3-2 x 5-10	1.53	1.55	2.86	3.04
4-0 x 5-10	1.60	1.65	3.26	3.44

O. G. MITERED DOOR AND WINDOW TRIM

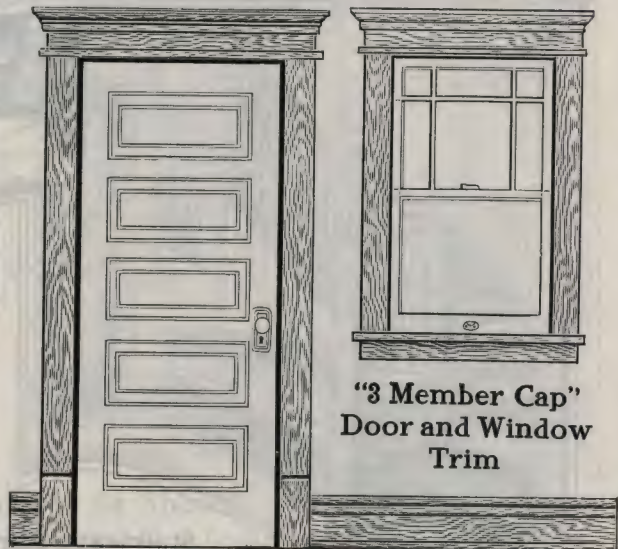
Our O. G. Trim is a simple design used most where economy and practicality is the watchword. When carefully fitted and finished, makes an attractive trim.

Any size door opening up to and including Width Height ft. in. ft. in.	Each set consists of ¾x4¼ inch O.G. Casing No. 8384. For Stops see below.	10-B-975x Yellow Pine	Any size window opening up to and including Width Height ft. in. ft. in.	Each set consists of O. G. Casing No. 8384, Stool No. 8267, Apron No. 8379 and O. G. Stops.	10-B-977x Yellow Pine
2-6 x 6-6		\$0.99	2-0 x 4-6		\$1.01
2-8 x 7-0		1.01	2-6 x 4-6		1.09
3-0 x 7-0		1.05	2-6 x 5-6		1.20
5-0 x 7-0		1.13	3-0 x 4-6		1.17
8-0 x 8-0		1.46	3-0 x 5-6		1.28

O. G. DOOR STOPS

One set of Door Stops is needed for each inside door. Prices are for Stops No. 8085. Price per set.

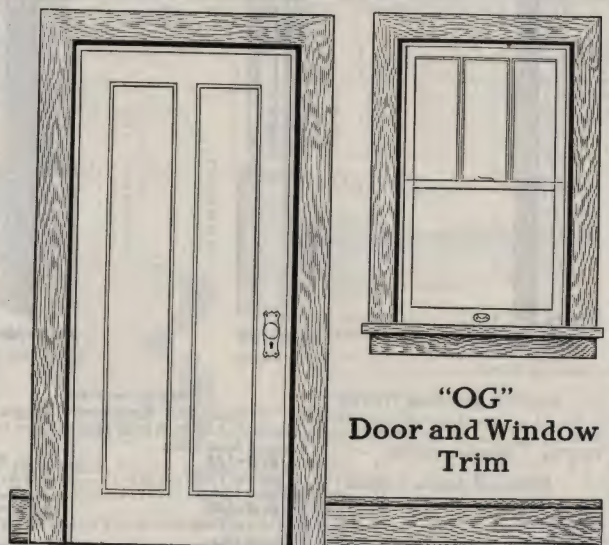
Width Height ft. in. ft. in.	10-B-8951x Yellow Pine	10-B-8952x Fir	10-B-8953x Red Oak	10-B-8954x Birch
2-8 x 6-8	\$0.17	\$0.18	\$0.43	\$0.46
3-0 x 7-0	.20	.21	.50	.54
5-0 x 7-0	.22	.23	.55	.60



"3 Member Cap"
Door and Window
Trim



"Chamfered
Head"
Door and Window
Trim



"OG"
Door and Window
Trim

ATTRACTIVE INTERIOR STAIRWAYS



**Stairways Complete as Shown
Flooring or Landing Material Not Included**

The interior stairways shown on this and the opposite page are but four of numerous designs which we can furnish. We have found these to be the most popular and keep ample stock of all materials going into their construction on hand for quick shipment in oak and yellow pine. All carefully selected, clear stock, smoothly machined and ready for oil, stain, paint or enamel. No balustrade for second floor included.

Material for Stairway Above

All material to complete the stairway above furnished as follows:
For stairway opening 3 feet wide; height from finished first floor to finished second floor about 9 feet.

15 Risers, 3 feet	120 Lineal feet, 1 1/4 inch, No. 652
13 Treads, 3 feet	24 Lineal feet Wall Mold
2 Starting Newels, No. 206	10 Lineal feet Return Nosing
2 Angle Newels, No. 128	60 Stair Wedges
2 Stringers, 16 feet	4 Blox
2 Landing Treads	60 Lineal feet Cove
14 Lineal feet Rail, No. 2047	
	Stringers not Housed Stringers Housed
10-B-695. Price, Yellow Pine	\$38.84 \$51.64
10-B-696. Price, Red Oak...	62.95 78.80

Material for Stairway Above

All material to complete the stairway above furnished as follows:
For stairway opening 3 feet wide; height from finished first floor to finished second floor about 9 feet.

3 Stringers, 16 feet	14 Lineal feet Shoe, No. 157
15 Risers, 3 feet	14 Lineal feet Fillet, No. 158
14 Treads, 3 feet	120 Lineal feet, 1 1/4 x 1 1/4 inch, No. 652
1 Landing Tread	40 Lineal feet Wall Mold
1 Starting Newel, No. 124	10 Lineal feet Return Nosing
1 Landing Newel, No. 128	70 Lineal feet Cove
14 Lineal feet Rail, No. 2047	60 Wedges
	Stringers not Housed Stringers Housed
10-B-697. Price, Yellow Pine	\$33.76 \$46.46
10-B-698. Price, Red Oak...	58.35 73.90

NEWELS AND STOCK STAIRWAY MATERIALS



10-B-128
Angle or
Landing Newel

Angle or Landing Newels
5-inch square Angle Newel, 5 feet 6 inches long, can be cut down to use as landing or starting newels.

Prices of Angle Newels	
	Price, each
10-B-128	
Yellow Pine.....	\$3.50
Plain Oak.....	4.45



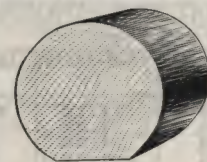
10-B-124
Main Newel

Main Newels
Artistic and Exclusive Designs, 8 inches at Base, 6 inch Shaft, 4 feet long, extra long base.

Prices, each	
10-B-124	
Yellow Pine.....	\$4.95
Plain Oak.....	5.95
10-B-206	
Yellow Pine.....	\$4.55
Plain Oak.....	5.55

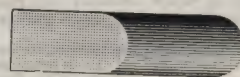


10-B-206
Main Newel



Round Hand Rail

10-B-670. Rail, 1 1/2 x 1 1/4 inches.	Price, Yellow Pine, per foot.....	1 0c
10-B-676. Rail, 1 1/2 x 1 1/4 inches.	Price, Plain Oak, per foot.....	1 4c



Landing Nosing

10-B-8262. Size, 1 1/2 x 2 1/4 inches.	Price, per 100 lineal feet.
Yellow Pine.....	\$3.55
Plain Red Oak.....	6.65



Return Nosing

10-B-8262 1/2. Size, 1 1/2 x 1 3/8 inches.	Price, per 100 lineal feet.
Yellow Pine.....	\$2.45
Oak.....	4.65

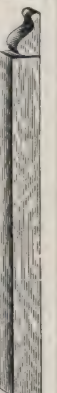
Stair Stringers and Wall Mould

Yellow Pine can be furnished in lengths 8 to 16 feet. Oak can be furnished in lengths 8 to 14 feet only. Stringers are not housed.

Prices per 100 Lineal Feet

	Size	Wood	Price
10-B-654.	Wallmold..... 3/4 x 1 3/4	Y. P.	\$ 1.15
10-B-655.	Wallmold..... 3/4 x 1 3/8	Oak	2.80
10-B-656.	Stringer..... 1 x 10	Y. P.	9.50
10-B-678 1/2.	Stringer..... 1 x 12	Y. P.	11.50
10-B-657.	Stringer..... 1 x 10	Oak	18.50
10-B-679 1/2.	Stringer..... 1 x 12	Oak	22.50

Wall
Mould
and
Stair
Stringer



FOR MODERN AMERICAN HOMES



Stairways Complete as Shown Flooring or Landing Material Not Included

Any one of the elegant interior stairways illustrated on these pages are furnished complete to you at a surprisingly low cost. After you have decided upon the style you wish, simply make a rough pencil sketch of the opening in your building allowed for stairway, showing the width between finished walls and the height from finished first floor to finished second floor. With this information, we will be able to tell you exactly what the stairway for your building will cost you. No balustrade for second floor included.

Material for Stairway Above

All material to complete the stairway above furnished as follows:
For stairway opening 3 ft. wide; height from finished first floor to finished second floor about 9 ft.

- | | |
|--------------------------|---|
| 2 Stringers, 16 feet | 1/2 Angle Newel |
| 15 Risers | 120 Lin. feet, 1 1/2 x 1 1/2 inch No. 652 |
| 13 Treads | 14 Lineal feet Rail No. 2047 |
| 1 Square End Step | 1 Piece Return Nosing, 10 feet |
| 2 Landing Treads | 60 Wedges |
| 1 Starting Newel No. 124 | 60 Lineal feet Cove |
| 1 Angle Newel No. 128 | 40 Lineal feet Wall Mold |

Stringers not Housed

Stringers Housed

10-B-856 Price, Yellow Pine..... \$43.96
10-B-857 Price, Red Oak..... 70.12

\$56.76
86.12

Material for Stairway Above

All material to complete the stairway above furnished as follows:
For stairway opening 3 ft. wide; height from finished first floor to finished second floor about 9 ft.

- | | |
|---------------------------|---|
| 2 Stringers, 16 feet | 1/2 Angle Newel |
| 15 Risers | 40 Lineal feet Wall Mold |
| 12 Treads | 60 Lineal feet Cove |
| 1 Double End Tread | 60 Wedges |
| 2 Landing Treads | 10 Lineal feet Return Nosing |
| 2 Starting Newels No. 206 | 16 Lineal feet Rail No. 2047 |
| 1/2 Starting Newel | 120 Lineal feet, 1 1/2 x 1 1/2 inch No. 652 |
| 1 Angle Newel No. 128 | Stringers not Housed |
| | Stringers Housed |

10-B-858 Price, Yellow Pine..... \$57.29
10-B-859 Price, Red Oak..... 88.44

\$70.09
104.44

YOUR CHOICE OF OAK OR YELLOW PINE



Stair Balusters

1 1/2 inches thick, 28 or 32 inches long.

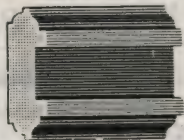
10-B-118

10-B-652

PRICE EACH CUT TO LENGTH

Cat. No.	Length 28 Inches		Length 32 Inches	
	Y.-P.	Oak	Y.-P.	Oak
1 1/2 ins. thick				
10-B-118	\$0.31	\$0.38	\$0.32	\$0.39
10-B-652	.25	.37	.30	.38

Stair Shoe and Fillet

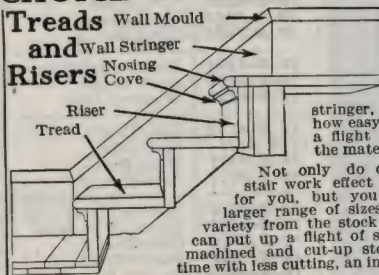


3/4 x 2 3/4 inches
10-B-157. Rab-
beted Shoe. Per
lineal foot.
Yellow Pine..... 3c
Oak..... 5 1/4c

Be sure to specify size of rabbit or balusters when ordering above.



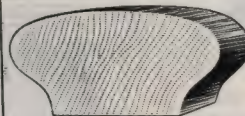
3/8 x 1 1/4 inches.
10-B-158. Fillet.
Per lineal foot.
Yellow Pine..... 1c
Oak..... 2 1/4c



Prices of Treads and Risers

Number	Ins. Sizes Ft.	Clear Stock. Price, each	
		Y.-P.	Oak
10-B-666. Riser	3/4 x 7 1/2 x 3	\$0.25	\$0.50
10-B-678. Riser	3/4 x 7 1/2 x 3 1/2	.30	.60
10-B-679. Riser	3/4 x 7 1/2 x 4	.35	.70
10-B-668. Tread	1 1/2 x 11 1/2 x 3	.50	1.15
10-B-682. Tread	1 1/2 x 11 1/2 x 3 1/2	.58	1.35
10-B-683. Tread	1 1/2 x 11 1/2 x 4	.66	1.50

Stair Railing



10-B-2040. 1 1/4 x 3 1/4 inches.
Prices per lineal foot.
Yellow Pine..... 15c
Red Oak..... 25c



10-B-2047. 2 3/4 x 3 1/4 inches.
Prices per lineal foot.
Yellow Pine..... 27c
Oak..... 39c

Add 2c per foot if rabbeted for 1 1/2 in. or 1 3/4 in. Balusters.

Quarter Circle Step



Furnished Complete as Illustrated
Built—Ready to Set in Place.

Quarter Circle Step—Furnished Right or Left Hand Return. Illustration shows right hand return. Prices for Sizes up to 4 ft. (Width of Stairs).

No.	Description	Wood	Price Each
10-B-672	R. H. Return	Clear Y.P.	\$5.70
10-B-673	L. H. Return	Clear Y.P.	5.70
10-B-674	R. H. Return	Clear Oak	7.10
10-B-675	L. H. Return	Clear Oak	7.10

Half Circle Step



Furnished Complete as Illustrated
Built—Ready to Set in Place.

Half Circle Step—Furnished Right or Left Hand Return. Illustration shows left hand return. Prices for Sizes up to 4 ft. (Width of Stairs).

No.	Description	Wood	Price Each
10-B-660	L. H. Return	Clear Y.P.	\$7.75
10-B-661	R. H. Return	Clear Y.P.	7.75
10-B-662	L. H. Return	Clear Oak	8.50
10-B-663	R. H. Return	Clear Oak	8.50

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

High Grade Sanded Interior Trim

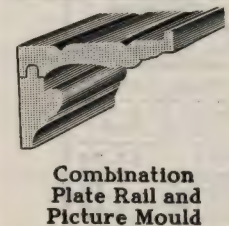
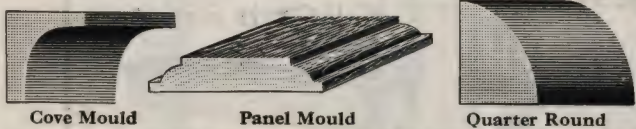
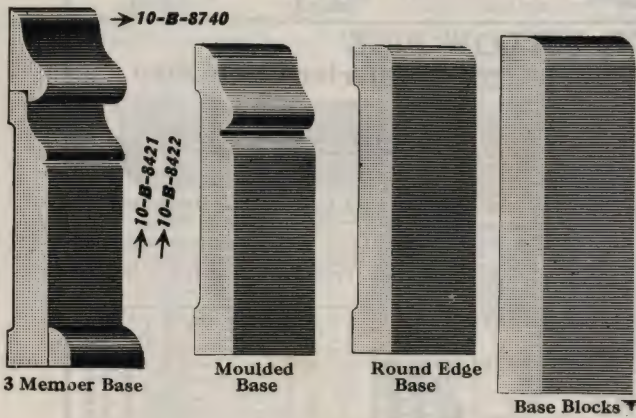
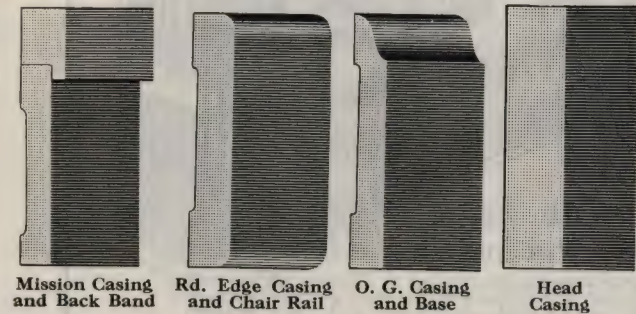
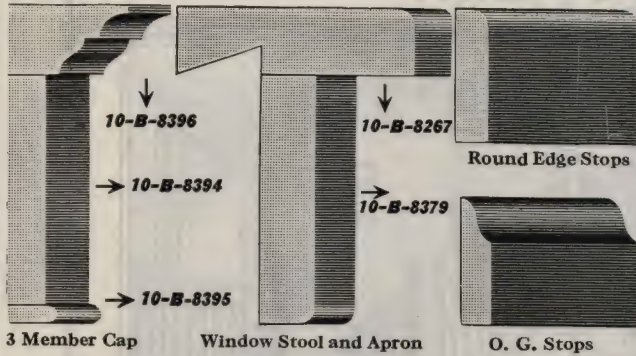
Yellow Pine, Fir, Oak and Birch

These are the most popular designs of interior mouldings for modern homes. Made from the finest, carefully selected, clear, kiln-dried lumber. Manufactured on modern, high-speed moulding machines. Perfect work. Excellent smooth finish. Free from defects and blemishes. Kept clean and bright because of our mammoth fast moving stocks and special dust-proof moulding room. Flat surfaces are machine sanded at no extra charge.

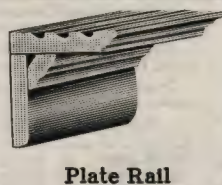
Yellow Pine and Fir mouldings furnished in random lengths 6 to 16 feet, Oak and Birch 6 to 14 feet, the big majority of pieces being 10-foot and longer. We charge 10 percent extra for specified lengths. Whenever impossible to furnish specified lengths, we will return to you the 10 percent extra and ship random lengths. Your choice of Yellow Pine, Fir, Oak and Birch, presenting interior trim for every required finish suitable for oil, stain, paint or enamel.

All flat surfaces are smoothly sanded on our new improved high speed rotary oscillating sander.

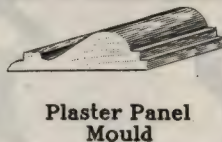
If interested in GUM MOULDINGS ask for our Gum Trim List 193B.



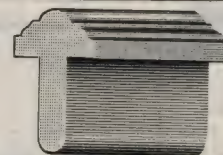
10-B-343. Two members. Projection from wall 3 inches. Height over all 2 inches. Yellow Pine, per lineal ft. 6c
Oak per lineal ft. 10c



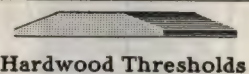
10-B-340. Furnished in clear Selected Yellow Pine or Oak. Three member. Projection from wall 4 1/4 inches. Height over all 4 1/4 inches. Yellow Pine, per lineal ft. 11c
Oak, per lineal ft. 20c



Very popular for paneling plastered walls.
Prices per 100 lineal feet
10-B-931. Clear Yellow Pine, 1/2 x 1 1/4 in. \$1.30
10-B-931. Clear Fir, 1/2 x 1 1/4 in. \$1.35
10-B-931. Clear Red Oak, 1/2 x 1 1/4 in. \$3.20
10-B-931. Clear Birch, 1/2 x 1 1/4 in. \$3.50



Size 1 1/2 x 2 1/2. All 8 feet long.
10-B-8450. Astragal for doors 1 1/2 inch thick. Yellow Pine, each. \$0.75
Oak, each. 1.25
10-B-8449. Astragal for doors 1 1/2 inch thick. Yellow Pine, each. \$0.75
Oak, each. 1.25



10-B-154. 3/4 x 3 3/4 inches. Clear Oak length 3 feet 1 inch. Price, each. 16c



10-B-541. 1 1/2 x 1 1/2 inches. Yellow Pine. Price, per lineal foot. 4 1/2c
10-B-542. 1 1/2 x 1 1/2 inches. Red Oak. Price, per lineal foot. 8c

Order by this No.	Name of Moulding	Size Inches	Prices per 100 lineal feet				Weight per 100 Lineal Feet
			Yellow Pine	Fir	Oak	Birch	
10-B-8396	Cap Mould	1 1/2 x 2 1/4	\$3.50	\$3.55	\$6.65	\$7.00	60 lbs.
10-B-8394	Head Casing	3/4 x 4 1/2	4.70	4.75	8.80	9.35	90 lbs.
10-B-8395	Fillet	7/8 x 1	.65	.68	1.60	1.75	15 lbs.
10-B-8267	Window Stool	1 1/2 x 3 3/4	5.60	5.70	10.55	11.25	90 lbs.
10-B-8268	Window Stool	1 1/2 x 8	13.35	13.50	25.10	26.70	200 lbs.
10-B-8379	Window Apron	3/4 x 3 3/4	3.55	3.60	6.70	7.15	90 lbs.
10-B-8541	Round Edge Stops	1/2 x 1 3/4	.98	1.02	2.40	2.65	15 lbs.
10-B-8542	Round Edge Stops	1/2 x 1 1/2	1.30	1.36	3.20	3.50	20 lbs.
10-B-8543	Round Edge Stops	1/2 x 2 1/4	2.10	2.15	4.00	4.25	30 lbs.
10-B-8083	O. G. Stops	3/4 x 1 1/4	.65	.68	1.60	1.75	10 lbs.
10-B-8084	O. G. Stops	3/4 x 1 3/8	.72	.75	1.75	1.95	12 lbs.
10-B-8085	O. G. Stops	3/4 x 1 1/2	.91	.95	2.25	2.45	15 lbs.
10-B-8096	O. G. Stops	1/2 x 1 1/2	.98	1.02	2.40	2.65	15 lbs.
10-B-8095	O. G. Stops	1/2 x 1 3/8	1.30	1.36	3.20	3.50	20 lbs.
10-B-8093	O. G. Stops	1/2 x 2 1/4	2.10	2.15	4.00	4.25	30 lbs.
10-B-1002	Back Band Mould	1 1/2 x 1 1/2	2.00	2.05	3.75	4.00	35 lbs.
10-B-1000	Mission Casing	3/4 x 3 1/2	3.55	3.60	6.70	7.15	75 lbs.
10-B-1001	Mission Casing	3/4 x 4 1/4	4.25	4.30	8.00	8.50	95 lbs.
10-B-1006	Mission Casing	3/4 x 5 1/4	5.55	5.60	10.40	11.05	125 lbs.
10-B-8496	Round Edge Chair Rail	3/4 x 3 3/4	3.40	3.55	6.40	6.80	70 lbs.
10-B-8308	Round Edge Casing	3/4 x 3 3/4	3.55	3.60	6.70	7.15	75 lbs.
10-B-8309	Round Edge Casing	3/4 x 4 1/4	4.25	4.30	8.00	8.50	95 lbs.
10-B-8311 1/2	Round Edge Casing	3/4 x 5 1/4	5.55	5.60	10.40	11.05	125 lbs.
10-B-8384	O. G. Casing	3/4 x 4 1/4	4.25	.....	.....	.....	95 lbs.
10-B-8385	O. G. Base	3/4 x 5 1/4	5.10	.....	.....	.....	110 lbs.
10-B-8386	O. G. Base	3/4 x 7 1/4	6.80	.....	.....	.....	155 lbs.
10-B-1004	Head Casing	3/4 x 4 1/4	6.70	6.75	12.55	13.35	120 lbs.
10-B-1005	Head Casing	3/4 x 5 1/2	8.40	8.50	15.85	16.85	150 lbs.
10-B-8264	Picture Moulding	3/4 x 1 1/2	1.30	1.35	3.20	3.50	30 lbs.
10-B-8234	Hook Strip	3/4 x 2 1/2	2.35	.....	.....	.....	45 lbs.
10-B-8228	Wainscot Cap	3/4 x 2	2.10	.....	.....	.....	40 lbs.
10-B-8740	Base Mould	3/4 x 1 3/4	1.90	1.95	3.60	3.85	30 lbs.
10-B-8421 1/2	Main Base	3/4 x 5 1/4	5.10	5.15	9.60	10.20	105 lbs.
10-B-8421	Main Base	3/4 x 7 1/4	6.80	6.90	12.80	13.60	150 lbs.
10-B-8422	Base Shoe	1/2 x 3 3/4	.65	.68	1.60	1.75	10 lbs.
10-B-8426	Moulded Base	3/4 x 7 1/4	6.80	6.90	12.80	13.60	150 lbs.
10-B-1003	Round Edge Base	3/4 x 7 1/4	6.80	6.90	12.80	13.60	150 lbs.
10-B-8060	Cove Mould	3/4 x 3/4	.65	.68	1.60	1.75	15 lbs.
10-B-932	Panel Mould	1/2 x 2 1/2	2.35	2.40	4.40	4.70	25 lbs.
10-B-8065	Quarter Round	3/4 x 3/4	.65	.68	1.60	1.75	15 lbs.

Order by this No.	Name	Size Inches	Price, Each				Weight Each
			Yellow Pine	Fir	Oak	Birch	
10-B-134	Base Blocks	1 1/2 x 3 3/4 x 10	7c	8c	14c	16c	2 lbs.
10-B-144	Base Blocks	1 1/2 x 4 1/4 x 10	9c	10c	16c	18c	2 lbs.

Special Designs Made to Order. Write for Prices!

Clear Fir Porch and Outside Trim

Wood Porch Post and Newels

Made of
CLEAR SOFT OREGON FIR
PORCH POST No. 10-B-113

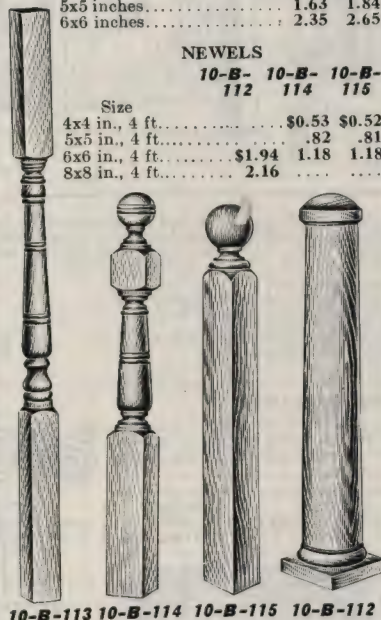
Prices

Size	8 ft.	9 ft.
4x4 inches.....	\$1.05	\$1.18
5x5 inches.....	1.63	1.84
6x6 inches.....	2.35	2.65

NEWELS

	10-B-112	10-B-114	10-B-115
--	----------	----------	----------

Size			
4x4 in., 4 ft.....	\$0.53	\$0.52	
5x5 in., 4 ft.....	.82	.81	
6x6 in., 4 ft.....	\$1.94	1.18	1.18
8x8 in., 4 ft.....	2.16		



On this page you will find listed and described all of the finished material that goes into the construction of porches. You might also be interested in the material on the next page which is also used in modern porches and any one interested in building a new home or remodeling their old home can readily make their selections from these pages. This material is all a strictly high grade stock of clear lumber used in the construction of finest porches. Lumber can also be furnished by us at greatly reduced prices and we advise you to send us your porch material list for our lowest quotation.

Square Built Up Columns and Newels

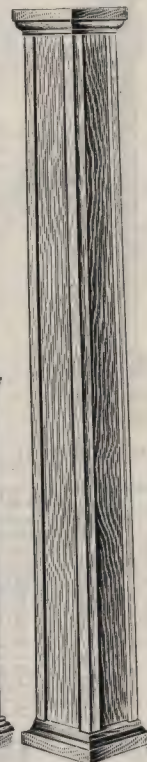
Made of
CLEAR SOFT OREGON FIR

Sizes and Prices of No. 10-B-520

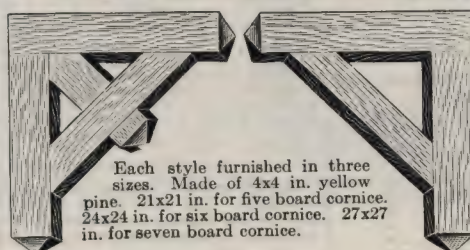
	8x8	10x10	12x12
Length	inch	inch	inch
6 ft.	\$2.79	\$3.39	\$4.06
8 ft.	3.36	4.18	4.92
9 ft.	3.73	4.43	5.69
10 ft.	4.05	5.36	6.39

BUILT-UP NEWELS

10-B-2227	Price, each 6x6 in., 4 ft. long.....	\$1.85
10-B-521	Price, each 8x8 in., 4 ft. long.....	\$2.06
10x10 in., 4 ft. long...		2.46



Eaves Brackets



Each style furnished in three sizes. Made of 4x4 in. yellow pine. 21x21 in. for five board cornice. 24x24 in. for six board cornice. 27x27 in. for seven board cornice.

10-B-620

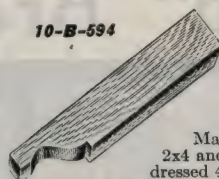
Size	Each
21 inches.....	\$1.94
24 inches.....	2.04
27 inches.....	2.18

10-B-621

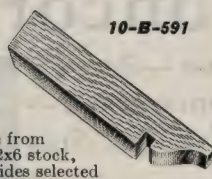
Size	Each
21 inches.....	\$1.31
24 inches.....	1.40
27 inches.....	1.50

Rafter Ends

10-B-594



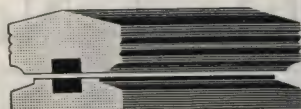
10-B-591



Made from 2x4 and 2x6 stock, dressed 4 sides selected Oregon Fir or Short Leaf Yellow Pine.

PRICE EACH

Length	2 ft.	4 ft.	5 ft.	6 ft.
	2x4 in	2x4 in	2x6 in	2x4 in
10-B-594	20c	31c	41c	36c
10-B-591	24c	34c	44c	39c
			52c	41c
				56c
				60c



TOP and BOTTOM RAIL
Rabbeted 1/8-Inches
Clear Fir

10-B-560 Top Rail

1 5/8x3 1/2 inches. Per 100 lineal feet.....\$5.80

10-B-561 Bottom Rail

3/4x3 1/2 inches. Per 100 lineal feet.....\$2.80



10-B-606 COLONIAL TOP RAIL
Clear Fir

Extra Heavy

2 1/4x3 1/2 inches. Per 100 lineal feet....\$14.50



10-B-607 COLONIAL BOTTOM RAIL
Clear Fir

Extra Heavy

1 5/8x3 1/2 inches. Per 100 lineal feet.....\$5.80



Clear Fir

10-B-146 Top Rail

1 5/8x3 1/2 inches. Per 100 lineal feet....\$5.80



Clear Fir

10-B-147 Bottom Rail

1 5/8x3 1/2 inches. Per 100 lineal feet....\$5.80

Porch Baluster Stock

Our porch baluster stock furnished in lineal feet is all clear, soft Oregon fir correctly sized and well machined.



Clear Fir

10-B-556

Square Baluster Stock Surfaced All Sides

1 1/8x1 1/8 inches, per 100 lineal feet.....	\$1.45
1 3/8x1 3/8 inches, per 100 lineal feet.....	3.90
Cut to lengths at 50c per 100 lineal feet extra.	



Clear Fir

10-B-152

Baluster Stock, 1 3/8x1 3/8 inches. Per 100 lineal feet.....\$2.40

10-B-151

Baluster Stock, 1 1/8x1 1/8 inches. Per 100 lineal feet.....3.90

HIGH GRADE COLONIAL COLUMNS

MADE OF CLEAR FIR

Our Colonial exterior Columns are made from thoroughly kiln dried lumber free from knots. Only full length staves are used. Interlocking joints and best workmanship. Prices include plain caps and bases as illustrated, which are separated from column so as to permit cutting Columns to exact length required on the job. Ornamental caps are priced separately elsewhere on this page.



10-B-110
Regular



10-B-210
Half Fluted



10-B-109
Full Fluted

PRICES OF COLONIAL COLUMNS INCLUDING PLAIN CAPS AND BASES

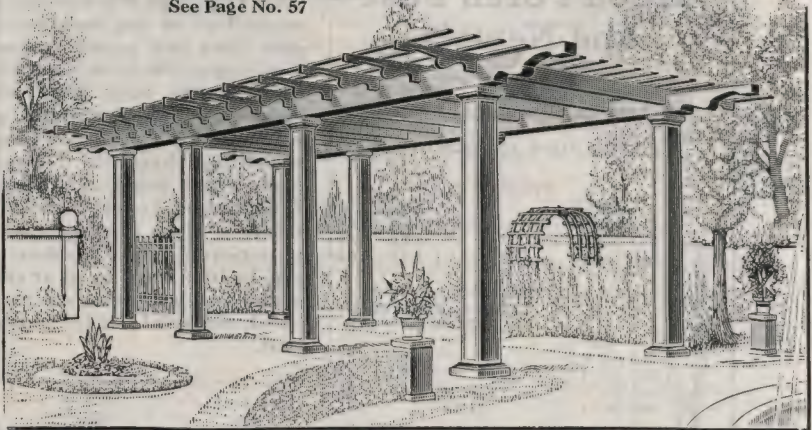
Diam. of Shaft Inches	Length Feet	10-B-110 Regular Shaft as Illustrated	10-B-210 Half Fluted as Illustrated	10-B-109 Full Fluted as Illustrated	Shipping Weight, Lbs.
6x6	6	\$2.39	\$3.19	\$3.59	30
6x6	8	2.64	3.44	3.84	35
8x8	6	2.93	3.73	4.13	40
8x8	8	3.34	4.14	4.54	48
8x8	9	3.77	4.57	4.97	50
8x8	10	4.22	5.02	5.42	54
10x10	6	3.62	4.62	5.12	55
10x10	8	4.37	5.37	5.87	62
10x10	9	4.97	5.97	6.47	68
10x10	10	5.57	6.57	7.07	72
12x12	6	4.76	5.76	6.26	64
12x12	8	5.85	6.85	7.35	68
12x12	9	6.80	7.80	8.30	72
12x12	10	7.88	8.88	9.38	75

PERGOLAS FOR GARDENS AND LAWNS

MADE FROM OUR COLUMNS

A modern neatly designed well constructed pergola will add a touch of distinctive beauty and completeness to your grounds. Numerous elegant designs are available from our big complete stocks of pergola material. We are equipped to develop your own ideas and interpret them in such designs as you have in mind in terms of practical construction.

For Other Designs and Sizes
See Page No. 57



The pergola illustrated above is a popular design which can be delivered at surprisingly low cost. Made up complete of clear Fir comprising 8 square or round columns 8 feet high and 8 inches square at base tapering to top, scroll cut top beams and lattice covering. Distances between all pillars, 7 feet 4 inches. Total length 28 feet overall. Total width 12 feet overall. Weight, about 750 pounds.

10-B-711. Pergola consists of the following material:

4 pieces, 2x6, 18-ft. Band sawed one end, to be spliced to make 28 feet.
4 pieces, 2x6, 10-ft. Band sawed one end, to be spliced to make 28 feet.
13 pieces, 2x6, 12-ft. Band sawed two ends, Cross Rafter.
30 pieces, 3/4x1 1/4, 14-ft. S4S Lattice Strips. 8 Colonial Columns, 8x8, 8 ft.
Price of pergola as illustrated complete, in the white (natural wood).....

\$59.87

For other designs and sizes see page No. 57.

PLASTIC CAPS FOR EXTERIOR COLUMNS

Our Scamozzi Composition Caps are made from the best materials obtainable. This style of cap is the most popular with leading architects all over the country. Illustration shows cap used on one of our fluted columns. Prices are for caps only. Price, each:

Size	Requires Cap Size	Size of Cap Overall	Scamozzi Cap 10-B-530
6-inch dia. column	4 1/2-inch	7 3/4-inch square	\$1.88
8-inch dia. column	6 1/2-inch	10 1/4-inch square	2.18
10-inch dia. column	8 1/2-inch	13 -inch square	2.78
12-inch dia. column	9 1/2-inch	15 1/2-inch square	4.13



10-B-530

Beautiful "Concord" Breakfast Nook

Large Table and 2 Roomy Settees—Beautifully Designed, Carefully Constructed—Ready to Build-in and Finish to Suit your Own Taste.

This style of "built-in" breakfast nook is now all the vogue. Every home will find it a welcome addition to their other furnishings. It is so neat and handsome, takes up so little room and yet affords so much extra seating capacity, that no home is really complete without it. And then, you can finish it in accord with your own ideas, to harmonize with your other furnishings. Costs very little and comes to you complete, ready for setting up and finishing.

3 Pieces

Reduced Price

\$16⁷⁵
Complete

Wherever there is a little room, nook or alcove 5 ft. 6 in. by 4 ft. 6 in. or larger, the "Concord" will fit in with the utmost nicety. Made of the best grade Clear White Pine, with 3 ply Fir panels in the settees. The stock is heavy and well seasoned and the construction is very substantial. Table top, seat and ends are 1 1/2 in. thick. All other parts 1 3/16 in. thick. Table is 4 ft. long, 2 ft., 2 in. wide. Note the sturdy graceful construction. The settees are 4 ft. 5 in. wide, 3 ft. high, comfortable and roomy, and will accommodate 4 to 6 persons.

All parts are carefully sanded—ready for finishing—and so perfectly machined that anybody can put the nook together in a few minutes. Shipped K. D. (Not assembled) and carefully crated to avoid damage in delivery. Shipping weight, about 125 pounds.

No. 10-B-1678. "Concord" Breakfast Nook.....\$16.75



Rare Values in "Built-in" Conveniences

On-Wall Ironing Board



Special
Price
Complete

\$6⁹⁸

No
Cutting
of
Plaster

No Cutting of Wall
Hardware already applied

You can now have the conveniences of a built-in ironing board without cutting your wall. The "On-Wall" Ironing Board is a full size ironing board (14½ inches wide by 64½ inches high overall). It can be hung on any old wall or a new wall, or on a door.

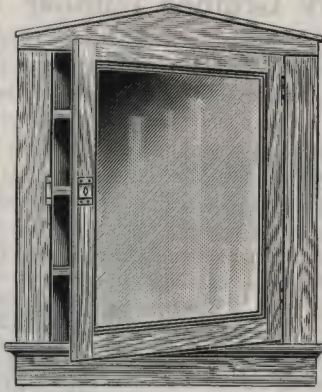
A complete unit, with hardware and everything needed already in place, also includes screws for fastening to wall. Can be taken down and moved at pleasure; an ordinary screw driver is all that is required.

The patented construction of this board makes it one of the most rigid and sturdy on the market. Board and cabinet are made from clear kiln dried White Pine lumber. Cabinet is backed with a strong three ply-wood fir panel. This panel protects wall, and helps to keep board clean.

Volume production, and the desire to introduce this board quickly, are the reasons for our offering this \$10.00 board for this exceptionally low price.

10-B-6060 "On-Wall" Ironing Board.....\$6.98
Shipping weight, 20 pounds.

High Grade Wood Medicine Cases



With First Quality
Plate Mirrors

Expertly made of selected clear stock, in natural unfinished wood, carefully smoothed and sanded, ready for finishing or staining.

\$4⁶⁹

SPECIFICATIONS: Size of door 1 ft. 6 in. wide by 1 ft. 10 in. high. Depth of case in wall 4 in., opening in wall 1 ft. 8 in. wide by 2 ft. 6 in. high. Size of mirror 14 in. by 18 in. Adjustable wooden shelves, furnished with casing, head trim, etc., as shown in illustration. Assembled but no hardware included.

10-B-851. Clear Pine, Glazed with Plain Plate Mirror. Price.....**\$4.69**

10-B-852. Clear Pine, Glazed with Bevel Plate Mirror. Price.....**\$4.95**

Shipping weight, 60 pounds.

With Open Shelf Below

First Quality
Plate Mirror

Carefully constructed of choice clear stock, smoothed and sanded, ready for finishing or staining.

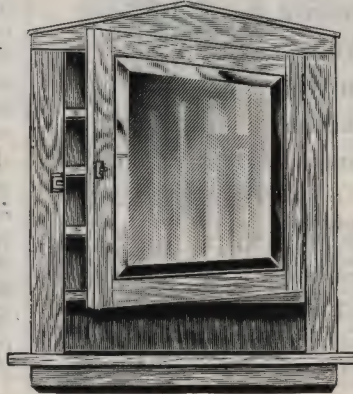
SPECIFICATIONS: Size of door 1 ft. 6 in. wide by 1 ft. 10 in. high. Openings in wall, 1 ft. 8 in. wide by 2 ft. 6 in. high. Depth of case in wall, 4 in. Adjustable wooden shelves furnished with casing, head trim, etc., as shown in illustration. Assembled but no hardware or finishing included.

10-B-889. Clear Pine, Glazed with Plain Plate Mirror. Price.....**\$4.98**

10-B-890. Clear Pine, Glazed with Beveled Plate Mirror. Price.....**\$5.25**

Shipping weight, 70 pounds.

\$4⁹⁸



All Cases Shipped in Dust-proof Carton.

Built-In Ironing Board with small Sleeve Board



\$5⁹⁵

A Big Purchase
Brings You This
Special Value!

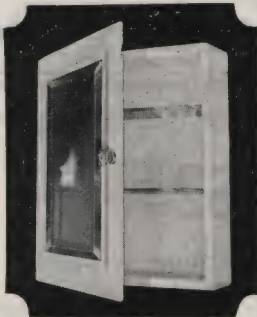
Now at our price everyone can afford the convenience of a full size built-in ironing board. It is always ready, yet out of the way, saving labor, space and time. Very convenient when installed with socket for electric iron. Bottom door drops forward and supports board in a firm, rigid position. Complete as shown with sleeve board and nickel plated hardware. Wall trim not included; see below. Made for wall opening 14 in. wide, 82 in. high and will fit between 2x4 studs. Can also be used without sinking into wall, by fastening to wall and using a 1x2 strip in place of casing.

10-B-680. Built-in Ironing Board. Price.....**\$5.95**

10-B-681. Back band wall trim for Ironing Board, consisting of ¾ in. by 3½ in. Casing No. 1000 and 1½ in. by 1½ in. back band trim No. 1002 Clear Yellow Pine. Price.....**\$1.05**

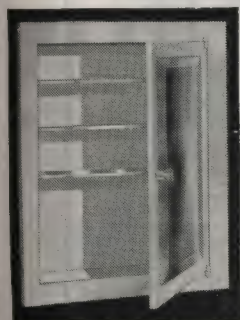
Harris "Snow-White" Enameled Steel Bathroom Cabinets

10-B-6101 "Melrose" White Enamel Cabinet. Hang-on wall style. Size Over-all 14½ in. by 20 in. and 5½ in. deep. Two White Enamel Shelves. Finest Bevel Plate Mirror 10 in. by 12 in. Price.....**\$3.75**



"MELROSE"

10-B-6102 "Melrose" White Enamel Cabinet. Hang-on wall style. Size Over-all 16½ in. by 20 in. and 6 in. deep. Two Plate Glass Shelves. Finest Bevel Plate Mirror 10 in. by 12 in. Price.....**\$4.95**



"SHERMAN"

10-B-6105 "Sherman" White Enamel Cabinet. Built-in style. Size 15½ in. by 19½ in. by 5 in. Wall opening 12¼ in. by 16¼ in. by 4 in. Two Plate Glass Shelves. Finest Bevel Plate Mirror 10 in. by 14 in. Price.....**\$7.25**

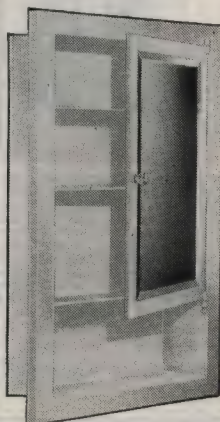
10-B-6106 "Sherman" White Enamel Cabinet. Built-in style. Size 17½ in. by 21½ in. by 5 in. Wall opening 14¼ in. by 18¼ in. by 4 in. Three Plate Glass Shelves. Finest Bevel Plate Mirror 12 in. by 16 in. Price.....**\$7.75**

10-B-6107 "Sherman" White Enamel Cabinet. Built-in style. Size 19½ in. by 23½ in. by 5 in. Wall opening 16¼ in. by 20¼ in. by 4 in. Three Plate Glass Shelves. Finest Bevel Plate Mirror 14 in. by 18 in. Price.....**\$9.35**

10-B-6108 "Sherman" White Enamel Cabinet. Built-in style. Size 21½ in. by 25½ in. by 5 in. Wall opening 18¼ in. by 22¼ in. by 4 in. Three Plate Glass Shelves. Finest Bevel Plate Mirror 16 in. by 20 in. Price.....**\$10.95**

All First Quality Plate Glass Mirrors Enamel Baked on

These Built-in Cabinets will fit in all ordinary walls, many of them between regularly spaced studs making installation easy. Cabinets are Enameled by a special process giving them a snow white, satiny finish that is not easily marred with ordinary care. Constructed of steel and glass they are sanitary and easily kept clean. Manufactured in 12 sizes and designs. Average weight 40 lbs. Shipped in dust-proof cartons.



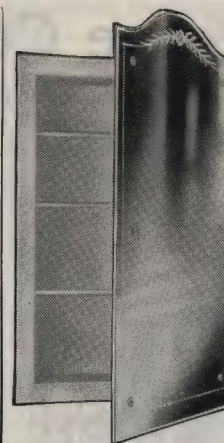
"STEVENS"

With Open Shelf
at Bottom

10-B-6110 "Stevens" White Enamel Cabinet. Built-in style with open shelf below. Size 17½ in. by 28¼ in. by 5 in. Wall opening 14¼ in. by 25 in. by 4 in. Three Plate Glass Shelves. Finest Bevel Plate Mirror 12 in. by 16 in. Price.....**\$8.60**

10-B-6111 "Stevens" White Enamel Cabinet. Built-in style with open shelf below. Size 19½ in. by 30¼ in. by 5 in. Wall opening 16¼ in. by 27 in. by 4 in. Three Plate Glass Shelves. Finest Bevel Plate Mirror 14 in. by 18 in. Price.....**\$9.60**

10-B-6112 "Stevens" White Enamel Cabinet. Built-in style with open shelf below. Size 21½ in. by 32¼ in. by 5 in. Wall opening 18¼ in. by 29 in. by 4 in. Three Plate Glass Shelves. Finest Bevel Plate Mirror 16 in. by 20 in. Price.....**\$11.45**



"VENETIAN"

10-B-6132 "Georgian" White Enamel Cabinet. Etched Mirror as illustrated, size 16 in. by 20 in. Steel cabinet 15½ in. by 19½ in. by 5 in. Wall opening 12¼ in. by 16¼ in. and 4 in. deep. Two Plate Glass Shelves. Price.....**\$13.25**

10-B-6122 "Georgian" White Enamel Cabinet with Plain Mirror front (not etched) 16 in. by 20 in. Steel cabinet 15½ in. by 19½ in. by 5 in. Wall opening 12¼ in. by 16¼ in. by 4 in. Two Plate Glass Shelves. Price.....**\$11.75**

De Luxe Models

Beautiful Mirrors artistically etched, cut on the back, showing etching in beautiful silvery satin contrast, the very latest and finest cabinet made. Face is smooth; sanitary and easy to keep clean. Can be set flush with wall or project ¾ inches.

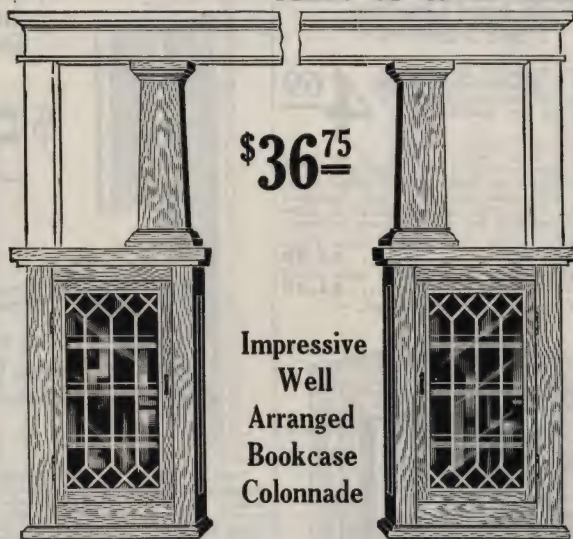
10-B-6175 "Venetian" White Enamel Cabinet. Mirror front 18 in. by 32 in. with large cabinet in back 17½ in. by 28¼ in. by 5 in. Wall opening 14¼ in. by 25 in. by 4 in. Three Plate Glass Shelves. A wonderful cabinet. Price.....**\$27.50**



"GEORGIAN"

Attractive Bookcase Colonnades

Made of Clear Beautifully Grained Lumber



\$36⁷⁵

Impressive
Well
Arranged
Bookcase
Colonnade

Specifications: Made from clear, thoroughly kiln dried lumber, free from defects. Best of workmanship. Suitable for openings 7 feet to 12 feet in width and up to 8 feet high. The columns are 6 inches square and slightly tapered towards the top. Pedestals are 2 feet wide by 4 feet 2 inches high. Countershef, or boards that columns rest on, is 12 inches wide. The inside depth of case is 8 inches. Reverse sides and inside ends are neatly panelled. Doors are glazed with Clear Crystal Leaded Glass and glass is held in place by wood stops. Only the best of glaziers metal is used in our leaded glass doors.

Shipped in the "white" (not stained or varnished), sanded ready for finishing. Cases are completely assembled ready to put in place except no hardware is included. Columns are also assembled, but are shipped separate so that they can be cut down on the job, and a perfect fit may be had for any height opening up to 8 feet. Casing, cap trim and jambs for around cased opening itself are not included.

10-B-1927 Clear Yellow Pine.....**\$36.75**
10-B-1928 Clear Red Oak.....**43.50**
10-B-1929 Clear Birch (Birch made to order only).....**46.50**

Shipping weight about 200 lbs.

Hardware for the above, \$1.45 additional. Can be furnished in either lemon brass or antique copper finish. Unless specified to the contrary, antique copper will be shipped.

A Colonnade adds more to the appearance of a home than any other piece of millwork we know of, and the Bookcase Colonnade we offer you at the left almost invites you to select a book, draw up an easy chair and make yourself comfortable.

With a colonnade of this kind it is possible to have the spaciousness of two large rooms, yet the feeling of privacy resulting from individual rooms. Also when this kind of a colonnade is used to separate the dining room and living room you can reverse the colonnade and use the cases for china closets.

Built-in cabinets of this kind are becoming very essential in the modern home. This colonnade can be used in a house already built, as well as in a new home, as very little labor is necessary to install it.

Special walls are not needed. Cases are made so that they can be trimmed to fit against a wall of any thickness, having a false side to be fitted against the jamb.



A View of Colonnade at Left Installed.

Jambs and trim for around opening itself is not included in colonnade prices. For houses already built, these items are not required. For new homes, we will furnish a set of jambs for standard 2x4-s studs for openings up to 9 feet wide and 8 feet high, also necessary cap trim and casing to match any style trim illustrated and described on Pages 38 and 39, at the following prices.

10-B-1925-T Colonnade trim and jambs, Clear Yellow Pine.....**\$4.95**
10-B-1926-T Colonnade trim and jambs, Clear Red Oak.....**9.25**

When ordering be sure to specify what style of trim is desired.

Bookcase Colonnade With Writing Desk

This colonnade has all the features offered in the above colonnade, with the additional conveniences of a complete built-in writing desk. A colonnade utilizes otherwise wasted space and this one eliminates the expense of purchasing a separate writing desk and bookcase. The writing desk folds up out of the way when not in use.



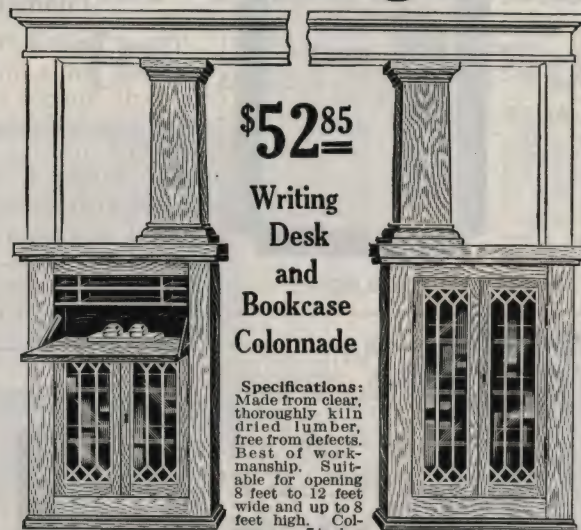
A View of Colonnade at Right Installed

Our low prices on these colonnades place them within easy reach of every one. Why not dress up your home by installing a colonnade now? Built-in conveniences such as these, are permanent and last as long as the home itself. This colonnade, as well as the one above, can be fitted to a wall of any thickness.

Jambs and trim for around opening itself is not included in colonnade prices. These items are not required where houses are already built. For new homes, we will furnish a set of 5/4 inch jambs (for standard 2x4-s studs) for openings up to 9 feet wide and 8 feet high, also necessary cap trim and casing to match any style trim, illustrated and described on Pages 38 and 39, at the following prices:

10-B-1927-T Colonnade trim and jambs, Clear Yellow Pine.....**\$4.95**
10-B-1928-T Colonnade trim and jambs, Clear Red Oak.....**9.25**

When ordering be sure to specify what style of trim is desired.



\$52⁸⁵

Writing
Desk
and
Bookcase
Colonnade

Specifications: Made from clear, thoroughly kiln dried lumber, free from defects. Best of workmanship. Suitable for opening 8 feet to 12 feet wide and up to 8 feet high. Columns are 7 inches square and slightly tapered to the top. Pedestals are 2 feet 6 inches wide by 4 feet 2 inches high. Counter shelf, or board that the columns rest on, is 14 inches wide. Cases are 10 inches deep inside. Reversed side of pedestals are neatly panelled. Inside ends are also panelled. Doors are glazed with leaded crystal glass and held in place with wood stops. Only the best of glaziers' metal is used.

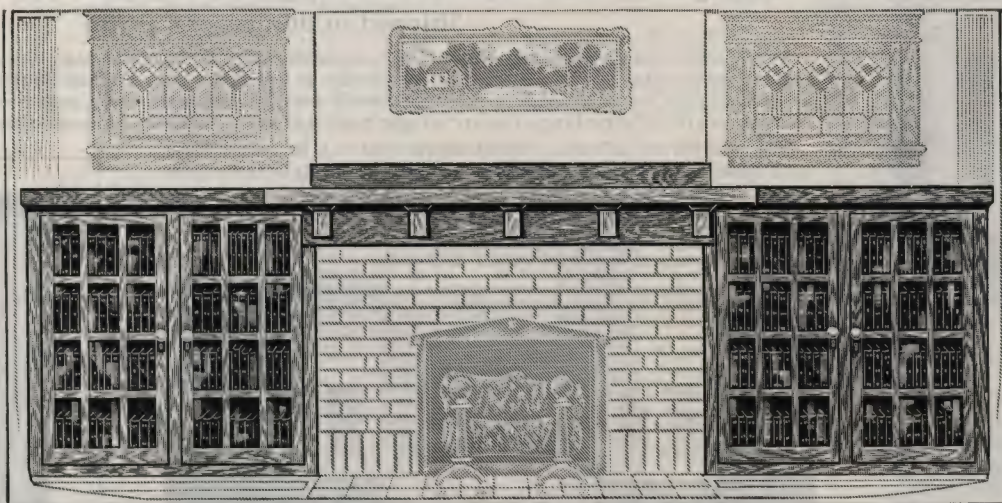
Shipped in the "white" (not stained or varnished), sanded, ready for finishing. Cases are completely assembled, except no hardware is included. Columns and pedestals are shipped separate and columns can be cut down on the job, so that a perfect fit can be had for any height opening up to 8 feet. Casing, cap trim and jambs for around cased opening itself are not included.

10-B-1925 Clear Yellow Pine.....**\$52.85**
10-B-1926 Clear Red Oak.....**58.50**
10-B-1924 Clear Birch (Made to order only).....**61.50**

Shipping weight about 250 lbs.

Hardware for the above \$2.45 additional. Can be furnished in either lemon brass or antique copper finish. Unless specified to the contrary, antique copper will be shipped.

Built-in Bookcase and Mantel Shelf



COMFORT Built-in Bookcase. No. 10-B-2105.

What is more appropriate and pleasing than a combination of fireplace and bookcase. Our "Comfort" built in bookcase and mantel shelf is designed so that bookcases can be either built in or set flush against the wall. The mantel shelf extends across the entire room forming an ideal place on which to place photographs, vases, and other ornaments.

The doors in the bookcases are divided with wood bars and glazed with clear plain glass, which is held in place by wood stops. The bookcases are 54 inches in height and the depth is 12 inches overall. The width of each bookcase depends entirely upon the size of the room and the width of the fireplace. For the average room they will measure about 36 inches to 42 inches in width. The face of the mantel shelf is 2 1/4 inches high and projects over the bookcases and fireplace. The neat brackets support the mantel shelf and make a very attractive design. The bookcases are equipped with three adjustable shelves.

These bookcases and mantel shelves are made to order; therefore, allow two to three weeks extra time. Special designs of all kinds can be furnished at proportionate prices.

All bookcases and mantel shelves shipped in the "white," natural wood, sanded ready for finishing; assembled ready to put in place, except they will be shipped

separately, making it convenient to install the same.

NOTE: These prices are for woodwork only, as illustrated, and do not include tile, brickwork or hardware.

SIZES AND PRICES

Price: Consisting of two Bookcases and one Mantel Shelf, as shown in illustration. No hardware, tile, etc., included. Bookcases for 10 foot width have single doors.

COMFORT 10-B-2105 2 Bookcases and Mantel Shelf for Rooms	Price, made of Clear Yellow Pine Doors, Glazed Clear Plain Glass	Price, made of Red Oak or Unselected Birch Doors, Glazed Clear Plain Glass
10 feet wide, or less	\$59.00	\$62.00
12 feet wide, or less	70.00	73.00
14 feet wide, or less	75.00	78.50
16 feet wide, or less	80.00	84.00

NOTE: When ordering give width of entire room, width, depth and height of fireplace. Please send a pencil sketch with order.

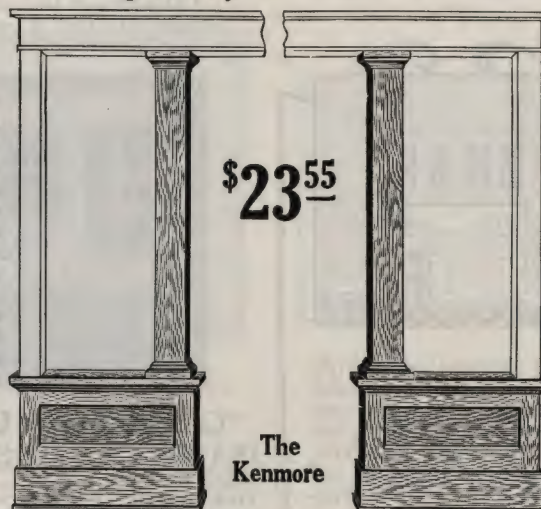
Impressive Colonnades of Quality



The Morrison

For openings 7 foot or wider. Made from specially selected clear, kiln dried Oak, Yellow Pine or Birch, free from defects. Prices do not include base-board, casing or cap trim.

These items should be ordered separately to match the balance of trim in your home.



The Kenmore

Pedestals or bases are 2 foot wide, 2 foot high and 11 1/4 inches deep. Counter-shelf, or board that the columns rest on, is 14 inches wide. Pedestals are built to fit around standard 5 1/4 inch jambs. Columns are 6 inches in diameter and have plain turned wood caps and base, as illustrated. Colonnades are shipped assembled, in the "white," natural wood, ready to put in place, except columns are shipped separate so that they can be cut down and fitted on the job. The baseboards, shown in illustration, around the pedestals are not included. It should match the balance of base in the room. Colonnade consists of 2 pedestals and 2 columns with caps and bases.

10-B-1249 Morrison Colonnade for openings 8 feet high or less, Clear Yellow Pine. Price.....\$23.75
10-B-1252 Morrison Colonnade for openings 8 feet high or less, Clear Red Oak. Price.....\$28.80

Shipping weight approximately 200 pounds.

Pedestals or bases are 2 foot wide, 2 foot high and 11 1/4 inches deep. Counter shelf, or board that the columns rest on, is 14 inches wide. Pedestals are built to fit around standard 5 1/4 inch jambs. Columns are 6 inches square and have plain wood caps and base as illustrated. Colonnades are shipped assembled, in the "white," natural wood, ready to put in place, except columns are shipped separate so that they can be cut down and fitted on the job. The baseboards, shown in illustration, around the pedestals are not included. It should match the balance of base in the room. Colonnade consists of 2 pedestals and 2 columns with caps and bases.

10-B-1293 Kenmore Colonnade, for openings 8 feet high or less, Clear Yellow Pine. Price.....\$23.55
10-B-1294 Kenmore Colonnade, for openings 8 feet high or less, Clear Red Oak. Price.....\$28.75

Shipping weight approximately 200 pounds.

Birch Colonnades made to order at proportionate prices

Jambs and trim for around opening itself are not included in colonnade price. These items are not required where houses are already built. For new homes we will furnish a set of 5 1/4 inch jambs (for standard 2 x 4 studs), for openings up to 9 foot wide and 8 foot high, also necessary cap trim, casing, base and base shoe to match any style trim illustrated and described on pages 38 and 39, for the following prices.

10-B-1249-T Colonnade Trim and Jambs, Clear Yellow Pine....\$4.95
10-B-1252-T Colonnade Trim and Jambs, Clear Red Oak.....9.25

When ordering be sure to specify what style of trim is desired.

Jambs and trim for around opening itself are not included in colonnade price. These items are not required where houses are already built. For new homes we will furnish a set of 5 1/4 inch jambs (for standard 2 x 4 studs), for openings up to 9 foot wide and 8 foot high, also necessary cap trim, casing, base and base shoe to match any style trim illustrated and described on pages 38 and 39, for the following prices.

10-B-1249-T Colonnade Trim and Jambs, Clear Yellow Pine....\$4.95
10-B-1252-T Colonnade Trim and Jambs, Clear Red Oak.....9.25

When ordering be sure to specify what style of trim is desired.

New Kitchen Conveniences

Units — Three Feet Wide

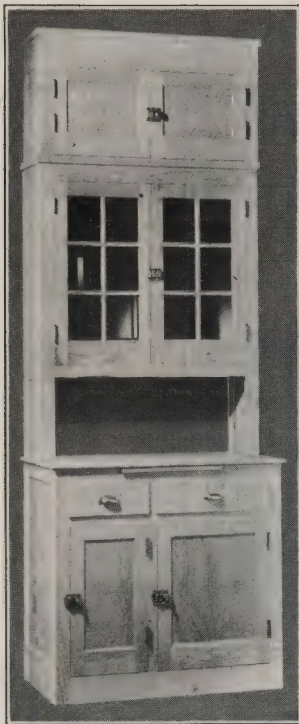
CLEAR
WHITE
PINE

Shipped in dust-proof Cartons

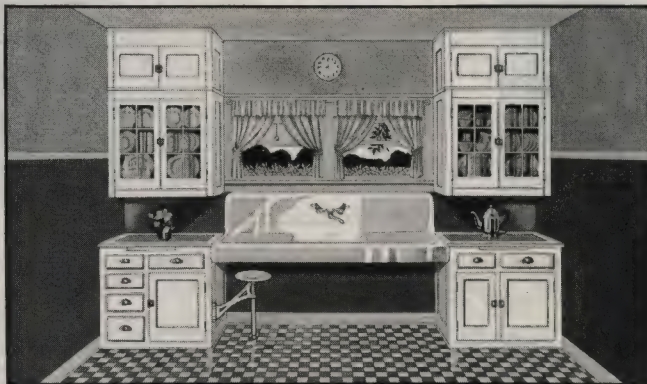
The Kitchen Cabinets and separate units shown here and on the opposite page are the very latest in kitchen conveniences. One of these attractive combinations will make your kitchen hours much shorter as well as more enjoyable. Ample space is provided for all your kitchen ware; pots, pans, electric appliances, dishes and silverware. Everything at your "Finger tips" will save you many tiresome steps.

The number of different combinations that can be worked out with these units are too numerous to illustrate, only a few of the most popular ones are shown.

No backs are furnished with these cabinets in either the 3 or 4 ft. widths as they are usually placed against a wall which serves as a back. Description continued on next page.



The combination shown above is composed of base unit No. 10-B-6003, upper unit No. 10-B-6004 and ceiling unit No. 10-B-6006 and is an ideal arrangement for the small kitchen where space is limited. Cabinet is shipped in separate units ready for assembly. Cabinet complete is 8'8" high. See "Assembly" for higher or lower ceilings.



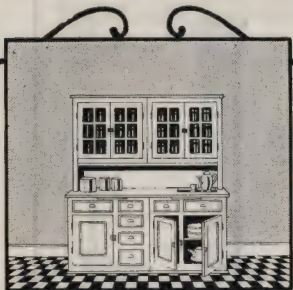
Picture, mentally, the transformation of your kitchen into one equally as attractive as the illustration above. The combination gives ample drawer and cupboard space for the numerous kitchen utensils, dishes and silverware. The upper units with glazed doors have been cut off even with bottom shelf and will fit any height ceiling.

Cabinets can be made to fit any space and in any style or arrangement either in connection with sink or without sink.

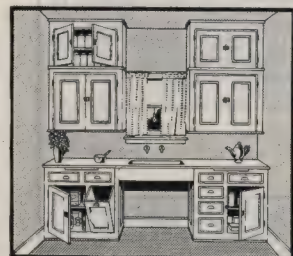


Unit Assembly

Here we have separated the units to show how easily they are assembled. Upper unit sets on and is nailed to base. Top of upper unit is dadoed to receive ceiling unit, also to be nailed. For ceilings higher than 8'8" a wider band moulding may be used at top of ceiling unit. For lower ceiling, base of upper unit may be cut off to fit ceiling as low as 8'2".

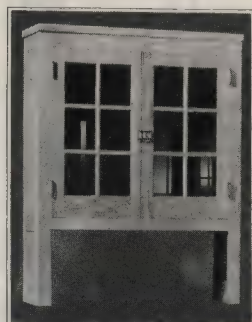


THIS splendid buffet style cabinet used without a sink is composed of base unit 10-B-6002 with drawers reversed, base unit 10-B-6001, two upper units 10-B-6004 and double base top 10-B-6050 described at right.



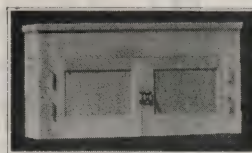
THE splendid arrangement above is very popular used in connection with base unit 10-B-6003 with flour bin reversed.

Lower part of Upper Units have been cut off even with bottom shelf and ceiling units fit snugly up against the ceiling.



Glazed Upper Unit

10-B-6004. 36 in. wide, 48 in. high, 11 3/4 in. deep. Glazed doors, two shelves. Weight 40 lbs. Price.....\$10.00
10-B-6004H. Hardware for above.....\$.35

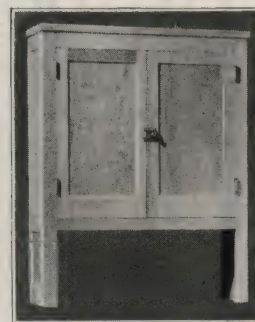


Ceiling Unit

10-B-6006. 36 in. wide, 20" high, 11 3/4 in. deep. Paneled doors, one shelf. Weight 20 lbs. Price..\$5.00
10-B-6006H. Hardware for above.....\$.35

Double Base Tops

10-B-6050. Double base tops size 1 1/16 in. thick, 21 1/2 in. wide, 6 ft. long. Used as a Base Shelf to cover two 3-foot base units. Weight 34 lbs. Price.....\$3.45



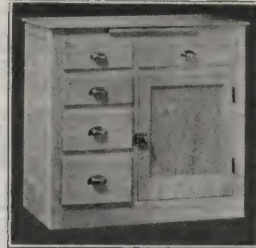
Paneled Upper Unit

10-B-6005. 36 in. wide, 48 in. high, 11 3/4 in. deep. Paneled doors, two shelves. Weight 40 lbs. Price.....\$8.50
10-B-6005H. Hardware for above.....\$.35



Base Unit

10-B-6003. 36 in. wide, 36 in. high, 21 in. deep. 2 drawers, 1 flour bin, 1 cupboard with shelf and 1 bread board. Flour bin can be reversed. Weight 75 lbs. Price.....\$15.50
10-B-6003H. Hardware for above.....\$.60



Base Unit

10-B-6002. 36 in. wide, 36 in. high, 21 in. deep. 5 drawers, 1 cupboard, 1 bread board. Cupboard with shelf and drawers can be reversed. Weight 80 lbs. Price.....\$16.30
10-B-6002H. Hardware for above.....\$.50



Base Unit

10-B-6001. 36 in. wide, 36 in. high, 21 in. deep. 2 drawers, 2 cupboards, one with shelf. 1 bread board. Cupboard doors can be reversed. Weight 65 lbs. Price..\$12.95
10-B-6001H. Hardware for above.....\$.60

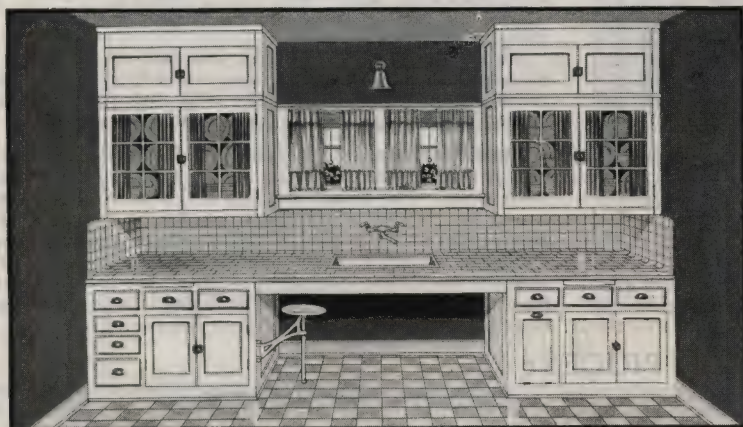
Practical and Attractive Units—Four Feet Wide

CLEAR
WHITE
PINE

Shipped in dust-proof Cartons

The fronts of base units shown on these pages are reversible and small cupboard doors, flour bin or lower drawers can be placed on either right or left hand side. Cabinets are semi-assembled. Fronts and sides are assembled; balance of cabinet is fitted so all that is necessary is to nail together the sides and top, shelves and etc. Each member is labeled or named, which, with simple and complete instructions packed in each carton makes for easy assembling.

All units are made of finest clear white pine, smoothly sanded and come to you in the (White) natural wood, ready for finishing. The method of joining the units is so simple that any handy man can complete the cabinet in a short time. The standard ceiling height of both the 3 and 4 ft. widths is 8 ft. 8 in. but this can be increased or diminished for higher or lower ceilings.



The four foot designs shown on this page are built especially for larger kitchens. Above is shown a combination of base unit 10-B-6402, upper unit 10-B-6045 and ceiling unit 10-B-6046. One advantage with these cabinets is that you can install a base unit now and add the upper and ceiling units later as they are all standard designs and sizes.

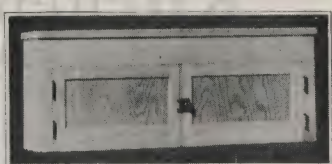
What a source of pride this kitchen will be to the efficient housewife who desires to have a kitchen as attractive as the other rooms of the home. The simple design of these cabinets is very pleasing and makes them very easy to keep clean. With this practical arrangement, a pantry is unnecessary and many of the modern kitchens are designed that way.

In designing these cabinets, every thought has been given to convenient and economical arrangement. They are built of the finest kiln dried Clear White Pine, the most practical wood for this work as it finishes equally as well with paint, enamel, stain or varnish.



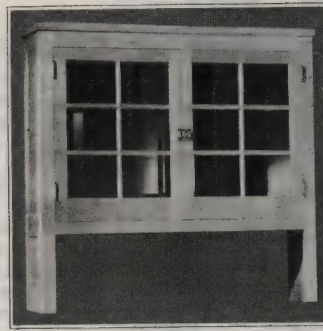
Paneled Upper Unit

10-B-6044. 48 in. wide, 48 in. high, 11 3/4 in. deep. Paneled doors with 2 shelves, weight 50 lbs. Price....\$9.30
10-B-6044H. Hardware for above. \$.35



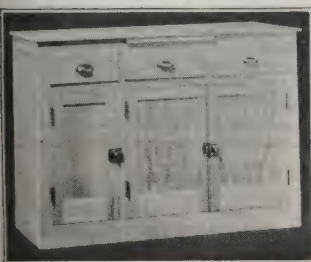
Ceiling Unit

10-B-6046. 48 in. wide, 20 in. high, 11 3/4 in. deep. Paneled doors, 1 shelf. Weight 25 lbs. Price.....\$5.40
10-B-6046H. Hardware for above. \$.35



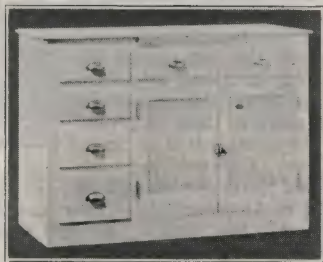
Glazed Upper Unit

10-B-6045. 48 in. wide, 48 in. high, 11 3/4 in. deep. Glazed doors, 2 shelves, weight 50 lbs. Price.....\$10.85
10-B-6045H. Hardware for above. \$.35



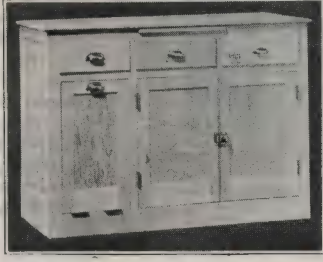
Base Unit

10-B-6041. 48 in. wide, 36 in. high, 21 in. deep. 3 drawers, 2 cupboards, one with shelf, 1 bread board. Weight 80 lbs. Cupboards can be reversed. Price.....\$15.60
10-B-6041H. Hardware for above. \$.94



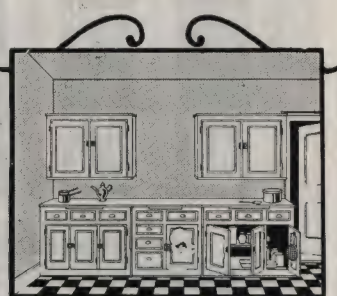
Base Unit

10-B-6042. 48 in. wide, 36 in. high, 21 in. deep. 6 drawers, 1 cupboard, with one shelf, 1 bread board. Weight 95 lbs. Drawers and cupboards can be reversed. Price.....\$19.40
10-B-6042H. Hardware for above. \$.76

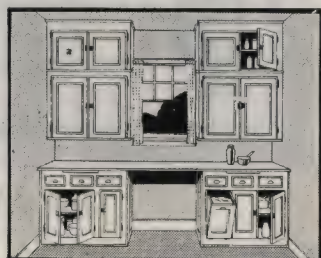


Base Unit

10-B-6043. 48 in. wide, 36 in. high, 21 in. deep. 3 drawers, 1 cupboard, with one shelf, 1 flour bin, 1 bread board. Cupboard and flour bin can be reversed. Weight 9 lbs. Price.....\$17.85
10-B-6043H. Hardware for above. \$.86

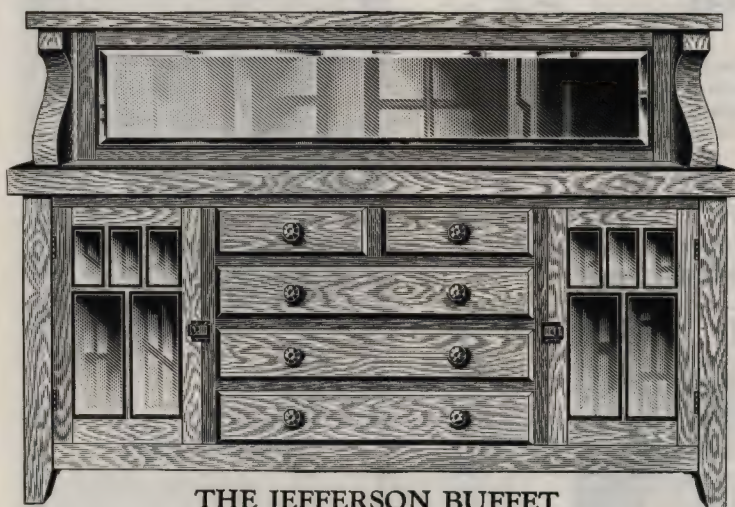


ANOTHER practical arrangement where ceiling units have been omitted. By cutting off the upper units even with bottom shelf, upper units can be fastened to wall at any desired height above base units.



NOTICE the convenient set-up of this design. The articles for daily use are placed within easy reach. The kitchen ware used occasionally is out of the way in the ceiling units above.

Splendid Buffets Priced Very Low



THE JEFFERSON BUFFET

These prices are for first quality bevel plate mirror and for clear plain glass in the cupboard doors. Can be furnished with leaded crystal glass cupboard doors of the same design as used in our Oakdale Cabinet for \$9.75 extra.

THE JEFFERSON BUFFET

In the Jefferson Buffet we are offering you a buffet that is being used extensively by leading architects in homes of the better class. It is one of the best pieces of built-in furniture we have ever had the pleasure of presenting to the general public. Its symmetrical proportions make it the very acme of good taste.

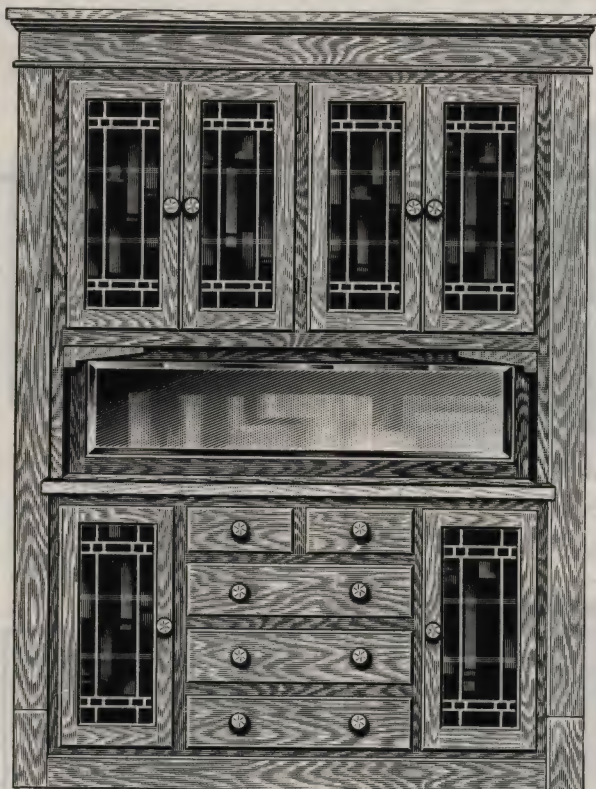
It is built according to the standards laid down for high grade furniture. Only the best grades of material are used throughout. The lumber is carefully selected and thoroughly kiln dried. Wood dividing bars are used in the cupboard doors, and they are glazed with clear plain glass. The mirror in the back of the buffet is first quality bevel plate.

This buffet projects from the wall and can be placed in any room with a minimum of effort. Being raised from the floor makes it easy to clean under and where space is limited it can be easily arranged so that the rug can extend underneath if necessary.

Specifications: This buffet is 6 feet wide, and the depth is 16 inches from the front to the back. Countershef projects 2 inches both ways. The height is 3 feet and 3 inches from the floor to the top of countershef and the extreme height overall is 4 feet 6 inches. Bevel plate mirror in back is 12 inches high and 62 inches long. Each cupboard is equipped with two adjustable shelves. All buffets are shipped assembled, complete, ready to set in place, except that no hardware or finish material is included. Select hardware from this book to match the balance of your hardware.

PRICES:

Catalog No.	Width	Height, Overall	Depth	Wood	Price
10-B-2201	6 feet	4 feet 6 inches	16 inches	Yellow Pine	\$49.75
10-B-2202	6 feet	4 feet 6 inches	16 inches	Red Oak	54.75
10-B-2203	6 feet	4 feet 6 inches	16 inches	Northern Birch	57.75



OAKDALE

Dining Room and Kitchen Cabinets

In our Oakdale and Indiana Buffets or China Closets we are offering you two extremely attractive cabinets of very good proportions. They are made to set in a recess in the wall so that the front of the cabinet comes even with the face of the wall. Cabinets are made from clear, thoroughly kiln dried lumber free from defects. Best of workmanship. The doors in the Oakdale are glazed with leaded art glass of neat design with just enough color to give them life but not make them appear gaudy. The bevel plate mirror in back of the countershef is 54 inches long and 12 inches high. The Indiana cabinet has 4 doors glazed with clear plain glass in the top and two wood panel doors in the bottom.

Plenty of shelf room is provided in these cabinets. Casing and cap trim are not included. These items should match the trim used in the balance of the room. Our regular door trim sets offered on Pages 38 and 39 are suitable for trimming around these cabinets. Hardware is not included; it is priced separately below. Cabinets are completely assembled ready to put in place, except shipped in two sections (upper and lower) for easy handling on the job. They are shipped in the "white," natural wood, already sanded ready for stain and varnish. Carefully crated.

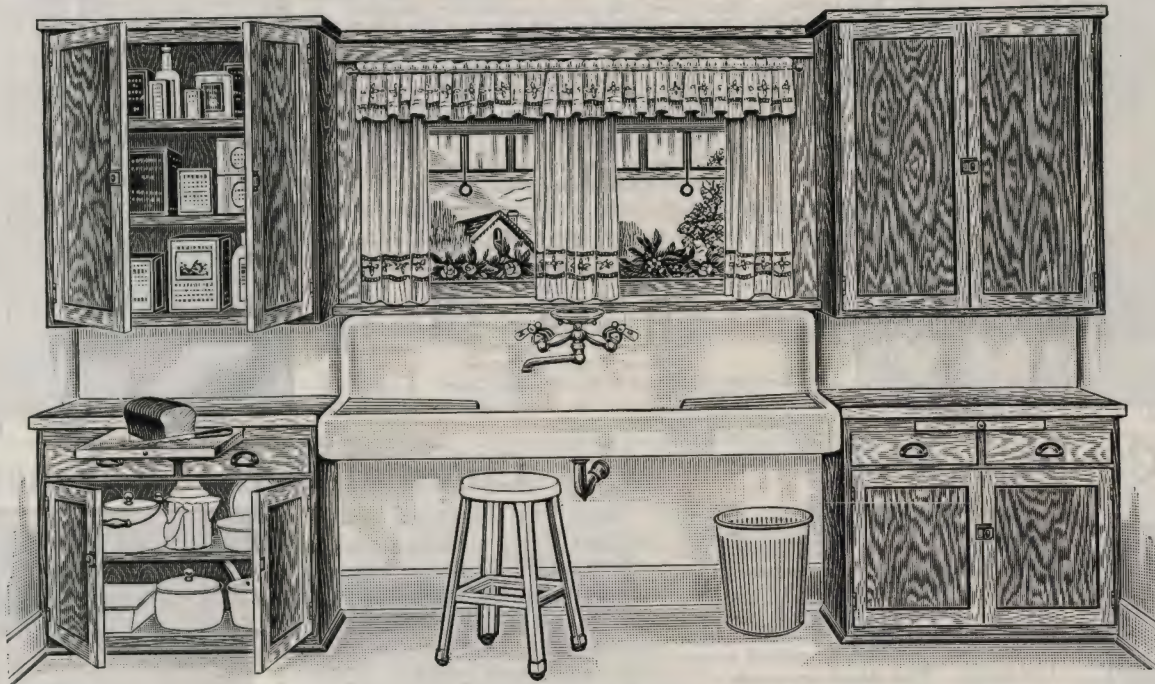


INDIANA

- 10-B-810** Oakdale Buffet, clear yellow pine, bevel plate mirror 54 in. by 14 in. Size 5 feet wide, 7 feet high and to set in recess in wall 14 inches deep. Price.....\$74.50
- 10-B-811** Oakdale Buffet, red oak, bevel plate mirror 54 in. by 14 in. Size 5 feet wide, 7 feet high and to set in recess in wall 14 inches deep. Price.....\$82.95
(Shipping weight about 225 lbs.)
- 10-B-816** Hardware, including glass knobs, lemon brass finish. Price.....\$4.85

- 10-B-820** Indiana Kitchen Cabinet, clear yellow pine. Size 4 feet 6 inches wide by 7 feet high and to set in recess in wall 14 inches deep. Price.....\$44.75
(Shipping weight about 200 lbs.)
- 10-B-821** Hardware as illustrated, antique copper finish. Price..\$2.50
No hardware; casing or cap trim included with these cabinets. Casing and cap trim should match balance of trim. Our regular door trim sets, offered on Pages 38 and 39, are suitable for trimming around this cabinet.

Modern Built-In Conveniences



"Unit" Cabinets That Present Many Splendid Combinations!

Unlimited combinations are possible with our improved Sectional Wall and Table "unit" Kitchen Cabinets, as sides and backs are sealed, which enables them to be used in any position. The combination illustrated above is obtained by using two wall "units" and two table or base "units." These "units" are offered to you after a very thorough inspection of all the latest improved kitchen furniture. Their simplicity of design is pleasing and enables the housewife to keep them immaculate. Many modern homes and apartments are being built without pantries; as pantries are no longer necessary when such conveniences as these are available, especially as it is no longer necessary to store large quantities of food stuffs, as in almost every city the grocery store is just around the corner.

Made of selected Clear Yellow Pine, carefully manufactured and fitted. Shipped in the "white," natural wood, all set up, ready to put in place.

Sanded, ready for stain, varnish or paint. Hardware is not included. For prices on the same see the Hardware Section of this book.

10-B-638. Wall Units—36 inches wide, 12 inches deep and 42 inches high assembled, with two adjustable shelves. Clear Yellow Pine. Each..... **\$11.25**

10-B-640. Table or Base Units—36 inches wide, 20 inches deep, 34 inches high, assembled; with sliding cutting board, 2 drawers and roomy pot cupboard with adjustable shelf. Clear Yellow Pine. Each..... **\$17.60**

Approximate shipping weight wall units, 80 lbs.; base units, 100 lbs.

Modern Kitchen Work Table



Usefulness, as well as beauty, are required in Kitchen Furniture. This Kitchen Work Table embodies these requisites and will save the housewife many steps. Note the four convenient drawers, roomy utensil cupboard, which has two adjustable shelves, the large capacity forward tilting flour bin and the sliding cutting or pastry board. This table is 4 foot 6 inches wide, 2 foot 10 inches high and 24 inches deep. Carefully made from selected Clear Yellow Pine. Shipped assembled, all ready to put in place, in the "white," natural wood. Sanded, ready for paint or varnish. No hardware included.

10-B-912. Clear Yellow Pine, assembled. **\$27.90**
Each.....

Shipping weight approximately 180 lbs.

Drawer Pantry Case



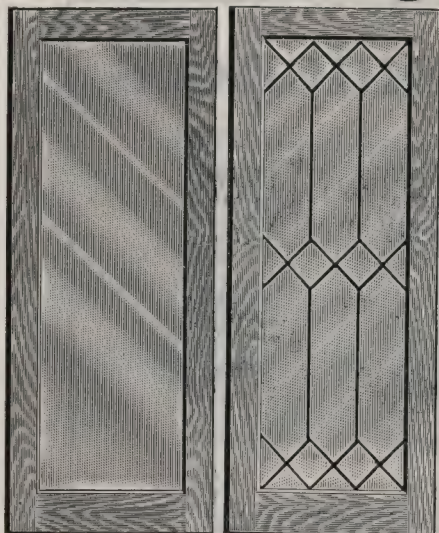
Plenty of drawer room is needed to make the home comfortable. This drawer case can be used in innumerable places, such as pantries, closets, etc. Case measures 3 foot in width and is 2 foot 10 inches high, and 1 foot 4 inches deep. Very carefully made from Clear Yellow Pine Lumber and shipped assembled as specified below, in the "white," natural wood, ready for varnish or paint. No hardware included in price.

10-B-908. Clear Yellow Pine, shipped assembled, with top separate for easy fitting on the job. Sides and back open, not sealed. This case usually used between plaster walls. Price, each..... **\$8.48**

10-B-910. Clear Yellow Pine, shipped completely assembled, with sides and backs closed, can be used any place in any room. Price, each..... **\$12.78**

Shipping weight approximately 90 lbs.

A Page for the Handy Man



10-B-201

10-B-204

China Closets and Book Case Doors

In these four designs, we offer a choice from which anyone building a china closet can make a satisfactory selection. No. 10-B-201 is a glazed first class clear glass, and Nos. 10-B-204 and 10-B-202 are glazed with Leaded Crystal Glass. No. 10-B-203 is exceptionally artistic and is a combination of a rich color in the design only, with a clear glass background. Just enough color to make it look pretty and desirable for either china closet or bookcase doors.

Our China Closet Doors are made 1 1/4-inch thick and furnished in either clear Yellow Pine or Red Oak.

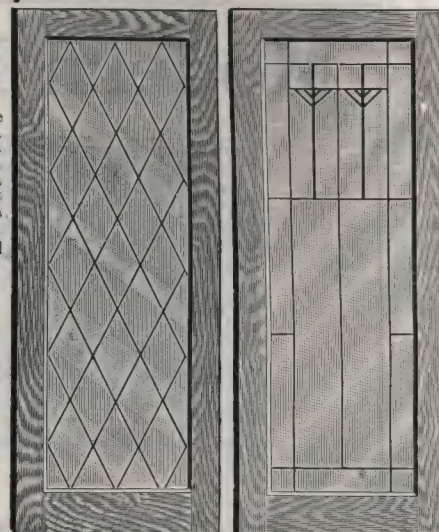
Prices on China Closet Doors Clear Yellow Pine

SIZES	10-B-201	10-B-204	10-B-202	10-B-203
1-6x3-0	\$1.35	\$4.11	\$4.34	\$4.80
1-6x3-4	1.43	4.55	4.81	5.34
1-8x3-4	1.48	5.09	5.39	5.99
1-6x4-0	1.57	5.43	5.76	6.39
1-8x4-0	1.85	6.12	6.47	7.19

Shipping Weight 25 Pounds.

For Red Oak Wood add \$1.60 extra each Door.

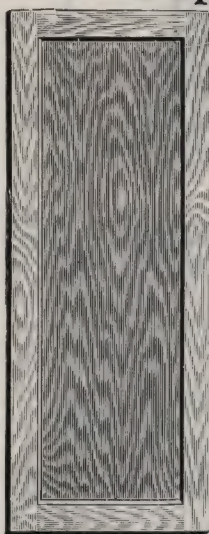
Please Note: All Glass in the above doors set in with wood stops, making the finest door possible.



10-B-202

10-B-203

Cupboard Doors



10-B-223

Our Cupboard Doors are of the neatest design and excellent workmanship. These doors are manufactured from the finest grade of seasoned lumber. With these doors it will be very easy to construct an excellent design of cabinet and the cost of the entire cabinet can thus be kept within a very low figure. The doors are made with Clear White Pine stiles and rails; with beautifully grained Fir panels. We carry these doors in stock, 3/4 in. thickness only. Special sizes and thickness to order.

SIZES		10-B-223
Width Ft. In.	Height Ft. In.	Price, Each 3/4 Inch Thick
1-6 x 2-0		\$0.79
1-6 x 2-6		1.00
1-6 x 3-0		1.07
1-6 x 3-6		1.28
1-6 x 4-0		1.36
1-8 x 2-6		1.05
1-8 x 3-0		1.14
1-8 x 3-6		1.35
1-8 x 4-0		1.45

Average Shipping Weight 15 lbs.

Fir Panels

10-B-550 The beautifully figured slash grain Pacific Coast Fir makes the finest panels imaginable. Just the thing for making radio and other cabinets. Also for paneling living rooms, etc. Can be stained and finished to imitate oak, walnut and other expensive woods. Fir Panels are laminated, that is, built up 3-ply with the center layer running cross-wise to the face, making them strong and warp-proof, like the panels in our high grade Fir doors. The following table lists the sizes we carry in stock. Prices are for panels with best side sanded ready to finish. Add 50 per cent, or half more to prices. Our Panels are cut evenly and to correct size. 3/8-inch thick. **WRITE FOR FREE SAMPLE.**



10-B-550

Size, Inches	Price, Each	Size, Inches	Price, Each
12 x 48	\$0.32	24 x 60	\$0.89
12 x 60	.40	24 x 72	1.06
16 x 48	.43	24 x 84	1.24
16 x 60	.54	30 x 48	.89
18 x 48	.48	30 x 60	1.11
18 x 60	.60	30 x 72	1.33
20 x 48	.54	30 x 84	1.54
20 x 60	.67	36 x 48	1.06
20 x 72	.81	36 x 60	1.33
24 x 48	.71	36 x 72	1.59

Colonial Corner Cabinet

Here is a beautiful complete cabinet finely finished and suitable for the finest residence. Do not confuse with so called Colonial Cabinets which consist merely of a few doors, loose casings, and shelf lumber. Placed in living room, dining room or library, it is appropriate for antiques, bookcase or china closet. Can be installed in old or new homes without disturbing walls. Sets up snugly against walls and stands firmly on floor, preventing dust from accumulating underneath. Installed across a corner it requires a minimum of floor and wall space and sets back out of the way.

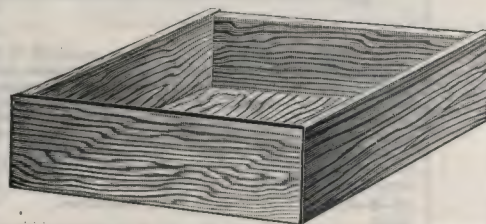
Made from carefully selected clear white pine. Workmanship is of the best. Large door is divided with wood bars and glazed with clear glass. Cabinet is 7 ft. 8 in. high, 4 ft. wide and projects 2 ft. out of the corner. Note pilaster or side casings are fluted and plinth blocks and cap blocks are finished with moulding and rosette ornaments.

10-B-6059 Colonial Cabinet is furnished in semi-assembled form, that is, front and sides assembled, shelves and other parts carefully cut and fitted, ready to set up without any cutting or fitting. While this is an ornamental design, details have been worked out so carefully, and the difficult work completed in the factory, that any handy man can easily assemble the cabinet. Full instructions furnished. Comes to you in the (white) natural wood, ready for paint, stain, varnish or enamel. Packed in dust-proof carton, for only \$49.75
10-B-6059H. Hardware for above. \$0.95



Cabinet Drawers

These drawers are made from seasoned, selected stock, with clear Yellow Pine lip face and soft wood body. They are well manufactured in every way. We stock the desirable sizes listed below. Special sizes made to order at advanced prices. Shipping weight 16 pounds. PRICE EACH.



Width Ft. In.	Height Inches	Depth Inches	10-B-879 Yellow Pine Ready to set up	10-B-880 Yellow Pine Assembled
1-5	4 3/4	18	\$0.96	\$1.39
3-0	6 3/4	18	1.65	2.15

THERMOLATH

4 1/2^c PER SQUARE FOOT

THERMOBOARD

TRADE MARK REGISTERED

INSULATION

LATH—SOUND DEADENER—SHEATHING

"Thermo-lath" and "Thermo-board" is extra strong insulating lumber in sheet form. They have the **highest insulating value** of any board on the market. Their heat loss is less than 6.3 B. T. U. per inch thickness, per square foot, per degree difference in temperature for 24 hours. 20% better than their nearest competitor. Thermo-lath and Thermo-board are made from all wood fibres which are impregnated with asphalt pitch before fabrication. This makes it rot-proof, vermin-proof, permanent, as well as highly waterproof.

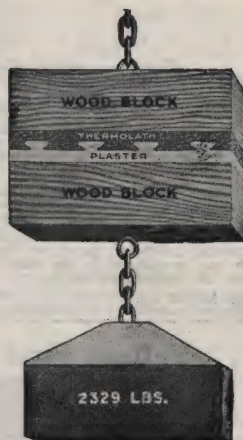
THERMO-LATH is an insulating board built especially for use as a plasterbase. The dove-tail grooves and the natural adhesiveness of Thermo-lath give it a plaster holding power **FOUR TIMES AS GREAT** as wood lath. (See illustration.) Thermo-lath will not crack plaster. It is economical because it combines a wonderful plasterbase with the best insulating board on the market.

Thermo-lath is made in convenient sheets 24 in. by 48 in. Just like applying 14 lath at one time. Used on all walls and ceilings—Insulation—Sound Deadening—Plasterbase. Account of its waterproof qualities, it is used extensively over outside sheathing as a base for exterior stucco.

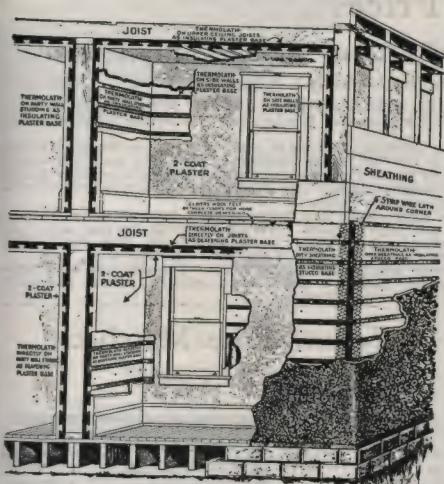
THERMO-BOARD is not grooved for plaster, but can be used as a plasterbase by those that like a plain board for that purpose. It is just the thing for lining your roof, attic, basement, garage and building that new room. An exceptional product for under built-up roofs.

Thermo-lath and Thermo-board are 1/2 inch thick and weigh 80 lbs. per 100 square feet.

22-B-204	Thermo-lath. 24 inches by 48 inches.....	36c per sheet.
22-B-206	Thermo-board. 24 inches by 48 inches.....	36c per sheet.
22-B-207	Thermo-board. 48 inches by 48 inches.....	72c per sheet.



Holding power 4 times as great as wood lath.



SEAL-BOARD

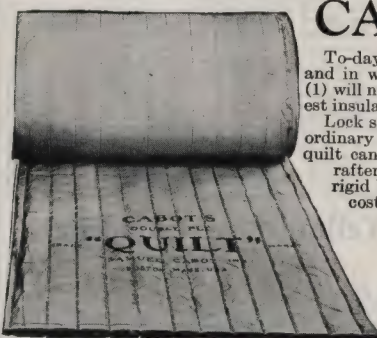
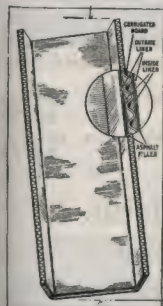
Air Space Insulation

2^c Per Sq. Ft.

Very efficient, economical and easy to apply. Approx. 1/4 inch thick. Used on over 10,000 Harris Buildings. 18 inch width is flanged for use between studs and rafters, 16" on centers. 48 inch width is plain and is used under sheathing or like wallboard. Wt. 20 lbs. per 100 sq. ft.

Seal-board Cat. No. 22-B-200

Size	Price per Sheet
18 inches by 8 feet.....	24c
18 inches by 9 feet.....	27c
48 inches by 8 feet.....	64c
48 inches by 9 feet.....	72c



CABOT'S HEAT-INSULATING "QUILT"

To-day's best flexible insulator. In use over 35 years. Used between floors and in walls. Eel-grass fibres between extra strong Kraft paper. Eel-grass (1) will not rot; (2) will not burn; (3) will not harbor insects or vermin; (4) highest insulating value; (5) permanent; (6) sanitary. Look stitched every 3 inches. Rolls 36 inches wide. Can be easily cut with ordinary scissors or tinner's snips. Middle rows of stitches close together so quilt can be split lengthwise into 18-inch strip and used between studs and rafters. 1/2-inch thickness (Double Ply) is a better insulator than ordinary rigid board insulators and is warmer than a 12-inch brick wall. Saves its cost in fuel in 3 years.

Rolls Contain 250 Square Feet

Cat. No.	Thickness	Price per Roll	Weight per Roll
22-B-201	1/2 inch (Single Ply)...	\$ 6.95	40 Lbs.
22-B-202	1/2 inch (Double Ply)...	9.45	65 Lbs.
22-B-203	3/4 inch (Triple Ply)...	10.95	90 Lbs.

GOLD MEDAL ALL WOOD FIBRE WALLBOARD

A NEW AND BETTER BOARD—WRITE FOR FREE SAMPLE

Here is your opportunity to save money on this fine first quality wallboard at these rock bottom prices. A real board, made from all wood fibre. One of the strongest and most rigid boards made. Four ply—standard 3/8 inch thick. Both sides rosin-sized at the factory, this seals against moisture and makes board ready for paint, calimine, etc., or board will make a pretty wall as is. Board is cream colored both sides. A good insulator. This man-made lumber is light and easy to handle. In a few hours with a saw and hammer you can—Add that extra room—Line and insulate your garage, attic or basement—Cover those old cracked plaster walls, etc., etc. Can be used for hundreds of purposes. Order your future requirements now at these rock bottom prices. Carefully wrapped and shipped in sealed, dust-proof packages—Safe delivery guaranteed.

22-B-300 Gold Medal Wallboard

Size	Price Per Sheet	Ship. Weight
48 inches by 6 feet.....	\$0.65	15 lbs.
48 inches by 7 feet.....	.76	17 lbs.
48 inches by 8 feet.....	.86	19 lbs.
48 inches by 9 feet.....	.97	22 lbs.
48 inches by 10 feet.....	1.08	24 lbs.
48 inches by 12 feet.....	1.30	29 lbs.

22-B-9307 Gummed Wallboard Tape.—Made of tough brownkraft paper. Used to cover wallboard joints. 1 1/2 inches wide. 100-ft. rolls.

Price per roll..... **10c**

22-B-8281 Clear fir panel strips 1 1/2 in. wide. Price per 100 lineal feet..... **59c**

22-B-9308 Fine Flat Head, 3-penny nails for wallboard—5 pounds to the average room. Price per pound..... **7c**

"SMOOTHWALL" PLASTER BOARD

"Smoothwall" is Fire Resisting and is Approved by the Underwriters. Will not Shrink, Expand, or Warp. Is standard 3/8-inch thick, and comes in strong rigid sheets easy to handle. You can do the job yourself. Anyone who can nail a common board in place can apply "Smoothwall" plasterboard. No waiting for the building to dry out. Cuts readily with a saw, or may be scored with a knife and snapped off—in the same way as a glazier cuts glass. You nail it in place with 3-penny common nails—about 5 pounds to the average room.

Wherever a strong, economical wall or ceiling is required, "Smoothwall" is the answer. Whether you want it for your new home, or to convert extra space into useful rooms, or to line your garage, hen-house or boiler room, you can find nothing more satisfactory than "Smoothwall" plasterboard. It is adaptable to any kind of decoration—wallpaper, paint, calimine, enamel, lining cloth or paper—either with or without panels. When properly decorated, joints are completely concealed. Shipped in wood crates. Safe delivery guaranteed.

Better Method of Filling Plasterboard Joints and Cracks in Old Walls

Harris Reinforcing Joint Tape

HARRIS Joint Tape is made from an open mesh fabric, specially prepared for reinforcing plaster used to fill joints between plasterboard. Comes in rolls 2 in. wide and 150 ft. long, enough for the average room. We recommend that plasterboard joints be filled with our "No Shrink" patching plaster, spreading plaster out 1 inch on each side of joint; then embedding HARRIS Tape while filler is still soft; finishing off with more "No Shrink" plaster. This method results in a joint that is permanent, smooth and easy to decorate.

22-B-7182 HARRIS Reinforcing Joint Tape, per roll... **70c**

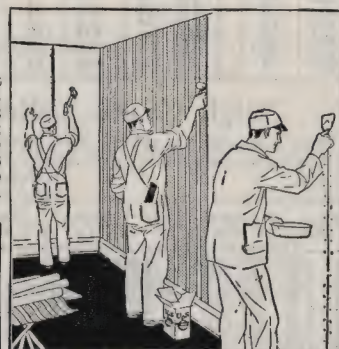
"No Shrink" Patching Plaster

The ideal filler for plasterboard joints. Recommended especially for use with HARRIS Reinforcing Joint Tape. Can also be used for patching old plaster walls. Instructions enclosed in each package. Pure white. Slow setting, easily handled, just add water, no stirring required. Five pounds of this plaster will fill plasterboard joints in the average room.

22-B-7181 "No Shrink" Patching Plaster.	
2 1/2 lb. packages, price each.....	23c
5 lb. packages, price each.....	39c
15 lb. packages, price each.....	65c

Prices of "Smoothwall" Plasterboard

Size	Price per Sheet
48 inches by 6 feet.....	\$0.84
48 inches by 7 feet.....	.98
48 inches by 8 feet.....	1.12
48 inches by 8 feet 6 in.....	1.19
48 inches by 9 feet.....	1.26
48 inches by 10 feet.....	1.40
Weight 180 lbs. per 100 sq. ft.	



With an ordinary trowel or putty knife and Harris' Reinforcing Joint Tape and "No-Shrink" Plaster, joints and cracks are perfectly concealed.

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

Lumber—Shipped from Chicago

Order Now at These Money-Saving Prices

Guaranteed Standard Up-to-Grade Lumber

All lumber, lath and shingles offered on these pages are guaranteed to be manufactured strictly in accordance with standard size, quality, and style of manufacturing adopted by the National Lumber Manufacturers' Association and as approved by Government Standards. We manufacture, buy, and sell our lumber under these specifications and conditions only.

We are specialists in lumber, millwork, and building materials. It is not a "sideline" with us, but our main line of business. Therefore, you are always assured of a proper understanding of your requirements, the lowest prices, best qualities, and best service.

We can furnish all of your building material requirements, including lumber, millwork, plumbing, hardware, paint, roofing, etc. By ordering all your requirements at one time they can be shipped in the same car, and your savings will be greater. The larger your order, the greater your saving.

We handle only strictly No. 1 dimension, studding, rafters, joists and timbers, all surfaced or planed four sides; number one and two boards, shiplap and dressed and matched stocks, etc.

Lowest Freight Rates—Fastest Delivery

We do not buy, sell or recommend No. 3 boards or No. 2 dimension. Our experience has taught us that the saving on low grade lumber is so small, that it is more than offset by the extra cost of labor, loss of material, the poor job and everlasting dissatisfaction.

The freight on lumber and other building materials in small or large lots is very low from Chicago. It takes only 14,000 to 16,000 feet, board measure, of lumber to make a minimum carload. If you cannot use a full car yourself, get some of your neighbors to order with you. Include your millwork and other requirements at the same time. They will help to make necessary weight and your savings will be greater.

We ship from our own lumber yards, mills and factories right here at Chicago. Save you the dealer's profits and give you better grades. We sell direct to the user only. Do not confuse our prices with prices offered by others on lumber shipped from Pacific coast or Southern states, from which points freight rates are high and deliveries slow.

It only takes 34,000 lbs. to get the benefit of carload freights. The ordinary small house bill will make this weight. Lumber, millwork, plumbing, hardware, roofing and paint, etc., etc., can be shipped in the same car to advantage.

Yellow Pine Shiplap

Planed Both Sides



For sheathing, barn siding, hay mow floors, etc. Rabbed edges insure a tight joint between boards. Prices are for standard lengths. Furnished in specified lengths at 20c extra per 100 bd. ft. Weight 210 pounds per 100 feet. Add 20% or 1/5 extra to allow for lapping. Requires 2 pounds 8-D common nails per 100 feet.

1x8 inch No. 2 Yellow Pine Shiplap, per 100 feet B.M. **\$3.80**
1x8 inch No. 1 Yellow Pine Shiplap, per 100 feet B.M. **\$4.75**

Yellow Pine Plain Boards

Planed on Four Sides

For shelving, sheathing, sub-floors, barn boards, roof boards, etc.; planed on four sides to standard sizes. Furnished in standard mixed lengths.

No. 1 common grade contains a limited number of small, sound knots, recommended for use as barn boards, fencing, etc.

No. 2 grade—the next lower grade, used as roof boards, sub-floors, sheathing, shed lumber, etc.

Weight Per 100 Bd. Ft. 250 Lbs.

Size Inches	Standard Net Size	Common Grade	Per 100 Bd. Ft.	Per 100 Lin. Ft.
1x4	3/4 x 3 3/4	No. 1	\$4.50	\$1.50
1x6	3/4 x 5 3/4	No. 1	4.70	2.35
1x8	3/4 x 7 3/4	No. 1	4.80	3.20
1x10	3/4 x 9 3/4	No. 1	4.80	4.00
1x12	3/4 x 11 3/4	No. 1	6.60	6.60
1x4	3/4 x 3 3/4	No. 2	3.40	1.13
1x6	3/4 x 5 3/4	No. 2	3.80	1.90
1x8	3/4 x 7 3/4	No. 2	3.90	2.60
1x12	3/4 x 11 3/4	No. 2	4.20	4.20

Yellow Pine Matched and Dressed

Tongue and grooved to form a tight joint. For siding, attic floors, sheathing, sub-floors, etc. Allow 15% or 1/6 extra for tongue and groove. Weight, 210 pounds per 100 feet B.M. Requires 2 1/2 pounds of 8-D common nails per 100 feet. Furnished in standard mixed lengths.



1x6 inch No. 2 Yellow Pine D&M per 100 feet B.M. **\$3.70**
1x6 inch No. 1 Yellow Pine D&M per 100 feet B.M. **\$4.75**

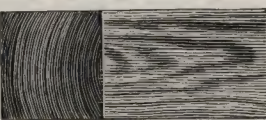
Bridging, Shingle Lath, Grounds and Furring Strips

Yellow Pine. Planed on Two Sides.

Size, Inches	Per 100 Lin. Ft.	Weight per 100 Lin. Ft.
1x1 -	\$.29	20 lbs.
1x2 -	.59	40 lbs.
1x3 -	.98	60 lbs.
2x2 -	1.40	80 lbs.

Yellow Pine Timbers

Our No. 1 Yellow Pine Timbers are specially selected for strength. Used for girders and sills, etc. Surfaced or planed on four sides to 1/2 inch off listed sizes, in accordance with government standards.



Size, Inches	Length, Feet	Each Piece	Shpg. Wt. Lbs.	Size, Inches	Length, Feet	Each Piece	Shpg. Wt. Lbs.
4x4	10	\$0.61	47	6x6	10	\$1.38	105
4x4	12	.93	56	6x6	12	1.66	126
4x4	14	.85	65	6x6	14	1.93	147
4x4	16	.98	75	6x6	16	2.21	168
4x4	18	1.10	84	6x6	18	2.48	189
4x4	20	1.22	93	6x6	20	2.76	210
4x4	22	1.34	103	6x6	22	3.04	231
4x4	24	1.51	112	6x6	24	3.38	252
4x6	10	.92	70	6x8	10	1.84	140
4x6	12	1.10	84	6x8	12	2.21	168
4x6	14	1.29	98	6x8	14	2.59	196
4x6	16	1.47	112	6x8	16	2.94	224
4x6	18	1.66	126	6x8	18	3.31	252
4x6	20	1.84	140	6x8	20	3.68	280
4x6	22	2.07	154	6x8	22	4.14	308
4x6	24	2.26	168	6x8	24	4.51	336

Yellow Pine Studding and Rafters

No. 1 grade. Dressed or planed on four sides to government standards. Net sizes on 2x4's are 1 1/2 x 3 3/4 inches and 2x6's, 1 1/2 x 5 1/2 inches.

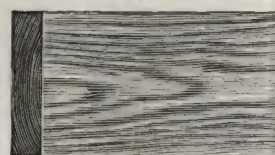


Size, Inches	Length	Each Piece No. 1 Grade	Shipping Wt. Lbs.
2x4	6 ft.	\$0.16	10
2x4	8 ft.	.22	13
2x4	9 ft.	.25	15
2x4	10 ft.	.26	17
2x4	12 ft.	.32	20
2x4	14 ft.	.39	23
2x4	16 ft.	.46	27
2x4	18 ft.	.52	30
2x4	20 ft.	.58	33
2x4	22 ft.	.68	37
2x4	24 ft.	.74	40
2x6	8 ft.	.31	20
2x6	10 ft.	.38	25
2x6	12 ft.	.47	30
2x6	14 ft.	.54	35
2x6	16 ft.	.67	40
2x6	18 ft.	.78	45
2x6	20 ft.	.87	50
2x6	22 ft.	.99	55
2x6	24 ft.	1.08	60

Yellow Pine Joists

Planed on Four Sides.

No. 1 grade only. Recommended for joists, all planed to uniform size. Standard net sizes on joists planed four sides are as follows: 2x8's planed to 1 1/2 x 7 1/2 inches; 2x10's planed to 1 1/2 x 9 1/2 inches; and 2x12's planed to 1 1/2 x 11 1/2 inches.



Size, Inches	Length	Each Piece No. 1 Grade	Shpg. Wt. Lbs.
2x8	10 ft.	\$0.53	33
2x8	12 ft.	.64	40
2x8	14 ft.	.74	47
2x8	16 ft.	.88	53
2x8	18 ft.	1.06	60
2x8	20 ft.	1.18	67
2x8	22 ft.	1.32	73
2x8	24 ft.	1.44	80
2x10	10 ft.	.75	45
2x10	12 ft.	.90	52
2x10	14 ft.	1.05	61
2x10	16 ft.	1.20	69
2x10	18 ft.	1.40	78
2x10	20 ft.	1.56	87
2x10	22 ft.	1.76	95
2x10	24 ft.	1.92	104
2x12	10 ft.	.90	52
2x12	12 ft.	1.08	62
2x12	14 ft.	1.26	72
2x12	16 ft.	1.44	83
2x12	18 ft.	1.69	94
2x12	20 ft.	1.88	104
2x12	22 ft.	2.20	114
2x12	24 ft.	2.40	125

High Grade Yellow Pine and Fir Finishing Lumber

Clear grade—for fine cabinet work, interior trim, etc.

Select grade—for cornice work, outside door and window casings. Planed to net sizes shown below.

Prices per 100 Lineal or Running Feet.

Name Size	Standard Net Size	Clear Fir	Select Fir	Clear Y. Pine	Weight per 100 Lin. Ft.	Name Size	Standard Net Size	Clear Fir	Select Fir	Clear Y. Pine	Weight per 100 Lin. Ft.
1 x 2	3/4 x 1 1/4	\$ 1.25	\$ 1.08	.....	35 lbs.	1 1/4 x 10	1 1/4 x 7 1/4	\$ 7.50	\$ 6.65	\$ 6.70	215 lbs.
1 x 3	3/4 x 2 1/4	1.85	1.60	.....	55 lbs.	1 1/4 x 10	1 1/4 x 9 1/4	9.40	8.30	9.30	270 lbs.
1 x 4	3/4 x 3 1/4	2.65	2.30	\$ 2.20	75 lbs.	1 1/4 x 12	1 1/4 x 11 1/4	11.65	10.40	11.40	325 lbs.
1 x 6	3/4 x 5 1/4	4.00	3.50	4.40	120 lbs.	2 x 4	1 1/2 x 3 3/4	5.30	4.65	.....	150 lbs.
1 x 8	3/4 x 7 1/4	5.25	4.60	5.50	160 lbs.	2 x 6	1 1/2 x 5 3/4	8.00	7.00	.....	240 lbs.
1 x 10	3/4 x 9 1/4	6.50	5.85	6.50	200 lbs.	2 x 8	1 1/2 x 7 1/4	10.65	9.35	.....	320 lbs.
1 x 12	3/4 x 11 1/4	8.00	7.00	7.90	240 lbs.	2 x 10	1 1/2 x 9 1/4	14.20	12.50	.....	400 lbs.
1 1/4 x 4	1 1/4 x 3 1/4	3.75	3.30	3.35	105 lbs.	2 x 12	1 1/2 x 11 1/4	17.00	15.00	.....	480 lbs.
1 1/4 x 6	1 1/4 x 5 1/4	5.65	4.95	5.00	160 lbs.						

NOTE—On account of frequent market changes, prices on this and next page are subject to change without notice. Do not hesitate to send your order. If prices are lower you will be refunded. If advanced you will be notified before order is entered, and your money will be refunded if price is not satisfactory.

White Pine Shelf Boards

Also used for barn boards. Planed on four sides. Very good sound boards with a medium quantity of sound knots that will not weaken the board. Manufacturer's grade No. 2 and Better; sold in most yards as No. 1.

Size, Inches	Length, Feet	Price per Piece	Wt. per Piece
1x12	10	\$0.62	18 lbs.
1x12	12	.75	22 lbs.
1x12	14	.87	25 lbs.
1x12	16	.99	29 lbs.
1x12	18	1.17	33 lbs.
1x12	20	1.30	36 lbs.

Flooring, Siding and Shingles



Oak and Maple End Matched, Tongued and Grooved Hardwood Flooring Kiln Dried, Perfectly Manufactured

Oak and Maple floors, on account of their beauty, cleanliness and long life are the most desirable of all floors. Graded for every flooring purpose—from public buildings to private homes. Steel polished and perfectly machined on up-to-date machinery.

Our Oak flooring is beautifully grained. It can be finished in any desired shade, from light, Golden-Oak to the dark, Old English-Oak.

Our Maple flooring has a close, straight grain, and can be oiled in natural color or stained and finished to match any style of interior trim.

Our clear or first grade is the finest grade made. Second, the next lower grade, is used extensively in moderate priced buildings, and especially suitable for store buildings, bedrooms, kitchen floors, etc. Third grade Oak has a small amount of defects, but when carefully laid using the best for the border, a very satisfactory floor will result, especially if stained. All flooring offered on this page is sold Standard lengths and bundling.

How to Order

$\frac{1}{2}$ x $2\frac{1}{4}$ flooring should be used in new buildings. The $\frac{3}{4}$ x 2 is a lighter weight flooring, and should be laid over old floors. First, multiply width by length of the room to obtain the number of square feet to be covered. If using $\frac{3}{4}$ x 2 flooring, add $\frac{1}{4}$ extra; and for $\frac{1}{2}$ x $2\frac{1}{4}$ flooring, add $\frac{1}{2}$ extra to allow for loss on account of tongue and groove.

Easy to Lay

Any careful person can lay a good job with our Oak and Maple flooring. Tarror or Slaters felt should be laid between finished floor and sub-flooring. Care in nailing is most important, nail $\frac{3}{4}$ in. flooring every 8 inches with 4-D casing nails, $1\frac{1}{4}$ pounds needed for each 100 feet B.M. Nail $\frac{1}{2}$ in. flooring every 10 inches with 8-D casing nails, $3\frac{1}{2}$ pounds needed for each 100 feet B.M.

NOTE

Order by catalog number. State size, grade and kind of wood wanted. Also, for your protection, state size of space you intend covering.

Catalog Number	Finished Size	Guaranteed Grade	Wood	Price per 100 Ft. B.M.	Weight
22-B-5311	$\frac{3}{4}$ x 2	Second	Maple	\$5.90	100 lbs.
22-B-5314	$\frac{3}{4}$ x 2	First	Maple	7.75	per
22-B-5316	$\frac{3}{4}$ x 2	Second	Red Oak	5.45	100 ft.
22-B-5320	$\frac{3}{4}$ x 2	First	Red Oak	7.70	B.M.
22-B-7155	$1\frac{1}{2}$ x $2\frac{1}{4}$	First	Maple	9.60	per
22-B-7156	$1\frac{1}{2}$ x $2\frac{1}{4}$	Second	Maple	8.75	200 lbs.
22-B-7157	$1\frac{1}{2}$ x $2\frac{1}{4}$	First	Red Oak	9.50	per
22-B-7158	$1\frac{1}{2}$ x $2\frac{1}{4}$	Second	Red Oak	8.70	100 ft.
22-B-7159	$1\frac{1}{2}$ x $2\frac{1}{4}$	Third	Red Oak	5.95	B.M.

Highest Grade Bevel Siding

Clear and free of defects, the best grade made. 4 in. widths should be laid $2\frac{1}{4}$ in. to the weather, order 45% or $\frac{1}{2}$ extra to allow for lapping. 6 in. width is laid $4\frac{1}{4}$ in. to the weather, add 30% extra for lapping. 8 in. width is laid $6\frac{1}{4}$ in. to the weather, add 20% extra for lapping. Use 6-D cement coated common nails. 4 in. requires 2 lbs., 6 in. requires $1\frac{1}{4}$ lbs. and 8 in. requires 1 lb. of nails for each 100 ft. B.M.

Standard lengths and bundling 4 to 16 ft.
Prices per 100 ft. B.M. Weight, 80 lbs. per 100 ft.

Cat. No.	Size	Grade	Wood	Price
22-B-7111	$1\frac{1}{2}$ x 4	Clear	Spruce	\$4.00
22-B-712	$1\frac{1}{2}$ x 6	Clear	Spruce	4.30
22-B-713	$1\frac{1}{2}$ x 4	Clear	Redwood	4.00
22-B-714	$1\frac{1}{2}$ x 6	Clear	Redwood	4.45
22-B-715	$1\frac{1}{2}$ x 8	Clear	Redwood	5.00

Clear Fir Drop Siding

Also known as "Novelty," "Rustic," "German," "Dutch," or "Patent" Siding.

Drop Siding is usually used when no sheathing boards are used.

Machined to standard widths and thicknesses. Prices are for standard lengths and bundling. Very small amount of 6 and 8 ft. Order $\frac{1}{2}$ extra to allow for matching. $1\frac{1}{2}$ lbs. of 6-D cement coated nails needed for each 100 ft. Price per 100 ft. B.M. Weight per 100 ft. B.M.

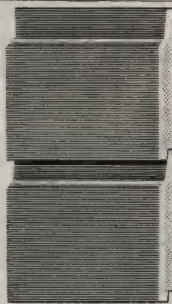
No. 117 22-B-7150 No. 106 22-B-7148

Cat. No.	Size	Grade	Wood	Price	Weight
22-B-7148	1x6	Clear	Oregon Fir	\$5.45	190 lbs.
22-B-7150	1x6	Clear	Oregon Fir	5.65	190 lbs.

Colonial Siding

This popular wide siding, also known as Channel-Rustic siding, is the kind used so much on Colonial and Dutch Design Houses. Also California Bungalows in the best residential districts are being built with this siding painted white, it makes a most striking appearance. Best grade kiln dried lumber. Size $\frac{3}{4}$ x $9\frac{1}{4}$ in. counted as 1x10. Order 15% extra for lapping. 2 lbs. of 8-D cement coated nails needed for each 100 ft. B.M.

22-B-7201. 1x10 inch Clear Fir Colonial Siding, Standard lengths, weight 210 lbs. Price per 100 feet B.M. \$7.00



Clear Fir Porch and House Flooring

We recommend Fir flooring for porches, kitchens, attics, basement floors, etc. In our opinion, it has all other woods backed off the board for these purposes. Can be furnished in specified lengths, that is, your choice of 4, 5, 6, 7, 8, or 9 ft. Also in 10, 12, 14, or 16 ft. lengths.

Counted as 1x4. Order $\frac{1}{4}$ extra to allow for matching. Requires 2 lbs. 8-D casing nails per 100 ft. B.M. Weight 200 lbs. per 100 ft.

Price per 100 ft. B.M. Weight 200 lbs.

Catalog No.	Size	Grade and Kind	Lengths	Price 100 ft. B.M.
22-B-7137	$\frac{3}{4}$ x $3\frac{1}{4}$	Clear Flat Grain Fir	4 to 9 ft.	\$4.75
22-B-7120	$\frac{3}{4}$ x $3\frac{1}{4}$	Clear Flat Grain Fir	10 to 16 ft.	5.20
22-B-7138	$\frac{3}{4}$ x $3\frac{1}{4}$	Clear Edge Grain Fir	4 to 9 ft.	5.75



New Style End Matched Yellow Pine Flooring

The perfect joints made by this side and end matching eliminates waste, simplifies laying and reduces labor one-half. Clear grade, free of defects, lays even and gives improved appearance.

Furnished in standard mixed lengths and bundling; 4 to 16 ft. $2\frac{1}{2}$ in. figured as 1x3, order 30% extra on account of matching. $3\frac{1}{4}$ in. figured as 1x4, order 25% extra to allow for matching. $2\frac{1}{2}$ in. flooring requires 3 lbs. and $3\frac{1}{4}$ in. requires 2 lbs. 8-D casing nails per 100 feet B.M. Weight, 210 lbs. per 100 ft. B.M. 22-B-7183. $1\frac{1}{2}$ x $2\frac{1}{4}$ in. Clear Yellow Pine End Matched Flooring. Price per 100 ft. B.M. \$5.95 22-B-7184. $1\frac{1}{2}$ x $2\frac{1}{4}$ in. Clear Yellow Pine End Matched Flooring. Price per 100 ft. B.M. \$5.40

Creosoted Red Cedar Shingles "HARRIS BEST" 25 to 40-Year Roof

These are, in our opinion, the best shingles made for roofs and side walls. Permanent colors. Clear lumber—all heart wood— $\frac{1}{4}$ sawed and no sap, creosoted with best quality creosote stain. They are best B. C. XXXXX Clear Shingles $5/2$ thickness, 16 inches long. With zinc-coated nails, should serve at least 40 years; with galvanized nails, 25 years. Requires 3 lbs. of 3-D nails per square. We can also furnish 18 inch and 24 inch shingles. Write for prices and complete color card.

22-B-247. Harris-Best Shingles, color, rich brown. Price per square. \$9.75

22-B-307. Harris-Best Shingles, color, moss green. Price per square. \$9.95

Weight, 144 lbs. per square. Sold only by the square, 4 bunches to the square. A square of these shingles will cover 100 square feet of surface, laid 5 inches to the weather, or 90 square feet laid $4\frac{1}{2}$ inches to the weather.



Washington Red Cedar Shingles Not Creosoted or Stained

22-B-7140. Extra Star A Star $6/2$ -16 inch Red Cedar Shingles. (6 shingles laid together measure 2 in. thick at butt). Weight, 160 lbs. Price per M. \$4.50

22-B-5415. Extra Clear $6/2$ -16 inch Red Cedar Shingles. (5 shingles measure 2 in. thick at butt). Highest grade made. Weight, 180 lbs. Price per M. \$4.95

4 bunches (1M) will cover 110 square feet laid $4\frac{1}{2}$ in. to the weather. Order 3 lbs. of 3-D shingle nails for each M.

Plastering Lath



No. 1 grade, mixed soft pines, full thickness and width. Packed 50 pieces to the bundle. Laid $\frac{3}{8}$ in. apart a bundle of 32 in. lath will cover 20 sq. ft. A bundle of 48 in. lath will cover 30 sq. ft. 32 in. lath requires 4 lbs. of 3-D nails per M. 48 in. lath requires 6 lbs. of nails per M.

22-B-7165. 32 inch lath Wt. 16 lbs. per bundle. 26c
22-B-7166. 48 inch lath Wt. 25 lbs. per bundle. 49c

Ceiling—Wainscot and Partition

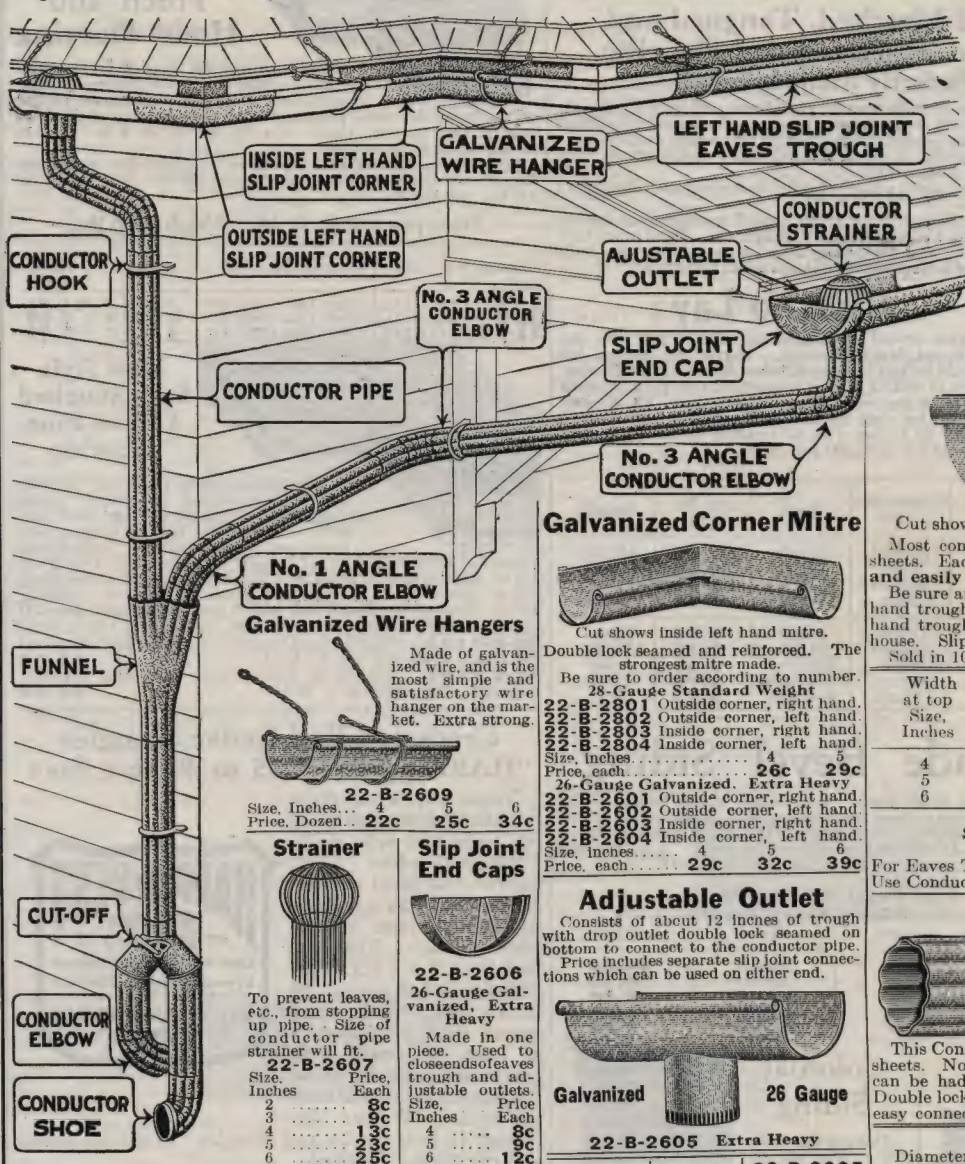
For porch ceilings and enclosures, under eaves, wainscoting, etc. Tongued, grooved and beaded on both sides, smoothly machined. Kiln dried, suitable for any finish. Standard lengths and bundling 6 to 16 ft. $\frac{3}{4}$ x $3\frac{1}{4}$ counted as 1x4. Order $\frac{1}{4}$ extra. Requires $1\frac{1}{4}$ lbs. 4-D nails per 100 ft. B.M. $\frac{3}{4}$ x $5\frac{1}{4}$ counted as 1x6. Order $\frac{1}{2}$ extra. Requires 2 lbs. 6-D nails per 100 ft. B.M.

Catalog Number	Finished Size	Grade	Wood	Price 100 Ft. B.M.	Weight Per 100 ft.
22-B-7151	$\frac{3}{4}$ x $3\frac{1}{4}$	Clear	Oregon Fir	\$4.00	140
22-B-7153	$\frac{3}{4}$ x $5\frac{1}{4}$	Clear	Oregon Fir	6.00	200
22-B-7155	$\frac{3}{4}$ x $5\frac{1}{4}$	Select	Oregon Fir	5.40	200

Slip Joint Eaves Trough and Fittings

Get Our Prices on Your Box Gutter Requirements

Easiest to Hang



No previous experience needed. Our improved slip joints eliminate all soldering on the job. They permit steel to expand and contract without breaking the joints, and joints are water-tight at all times. A hammer and tinner's snips are the only tools needed. Pipe, elbows, trough, etc., are all carefully matched, and slip together as easily as two sections of stove pipe. They stay together.

For best results, use at least 4 hangers for each length of trough and 3 fasteners for each piece of pipe. 4-inch eaves trough with 2-inch pipe is usually used for porches and garages. 5-inch eaves trough with 3-inch pipe is recommended for moderate size homes, and 6-inch trough and 4-inch pipe are used on large homes. We recommend that 26 gauge be used throughout. It is 20 percent heavier and usually gives twice as long service.

In Comparing Prices

Remember—We sell only 28 and 26 U. S. Government Standard Gauges. We do not sell or recommend 29 Gauge—28 is the lightest that should be used.

Galvanized Eaves Trough



Cut shows right hand. Note improved slip joint on right hand end. Most convenient Eaves Trough. Made of heavily galvanized steel sheets. Each length has an improved slip joint at one end, can quickly and easily be put together without soldering. Water-tight joints. Be sure and state whether right or left hand trough is wanted. Right hand trough discharges water at the right hand end of the trough; left hand trough discharges the water at the left hand end when you face house. Slip connection is part of trough, will not leak. Sold in 10-foot lengths only. We do not supply cut lengths.

Width at top Size, Inches	No. 22-B-2801 28-Gauge Standard		No. 22-B-2601 26-Gauge Extra Heavy	
	Weight	10-Foot Length	Weight	10-Foot Length
4	5 lbs.	51c	6 lbs.	62c
5	6 lbs.	55c	7 1/2 lbs.	65c
6			9 lbs.	82c

Notice! This Is Important!
Size of Conductor to Use With Eaves Trough
All Fittings are Furnished Accordingly

For Eaves Trough.....	4 in.	5 in.	6 in.
Use Conductor Pipe.....	2 in.	3 in.	4 in.

Galvanized Conductor Pipe

This Conductor Pipe is made of strictly first quality heavily galvanized sheets. Nothing better, stronger or more durable in this gauge of pipe can be had. It is made in 10-foot lengths without cross seams. Double lock seamed, will not burst when full of ice. One end tapered for easy connecting. We furnish it in full 10-foot lengths only.

Diameter Size, Inches	No. 22-B-2810 28-Gauge Standard		No. 22-B-2610 26-Gauge Extra Heavy	
	Weight	10-Foot Length	Weight	10-Foot Length
2	5 lbs.	\$0.44	6 lbs.	\$0.56
3	6 lbs.	.53	7 1/2 lbs.	.62
4			10 lbs.	.85
5			12 1/2 lbs.	1.15
6			14 lbs.	1.45

Conductor Funnel

Used for running two conductor pipes into one outlet. Size given is size of lower spout.

22-B-2613 26-Gauge Galvanized, Extra Heavy.

Size, In.	Price, Ea.
2	\$0.25
3	.32
4	.42
5	.75
6	1.50

Rain Water Cut-Off For Corrugated Conductor Pipe

Size given is that of conductor pipe connection and also outlets. By turning handle water can be diverted to either elstern or overflow.

22-B-2612 26-Gauge Galvanized—Extra Heavy.	
Size, Inches	Price, Each
2	\$0.47
3	.55
4	.69
5	1.00
6	1.50

Conductor Elbow Galvanized Corrugated



No. 1 Angle Double lock seamed, one end tapered for easy connecting	
22-B-2811 28-Gauge—Standard	
Size, Inches	Price, Each
2	14
3	17
22-B-2611 26-Gauge—Extra Heavy	
Size, Inches	Price, Each
2	\$0.2
3	.2
4	.3
5	.8
6	.9

Galvanized Corner Mitre



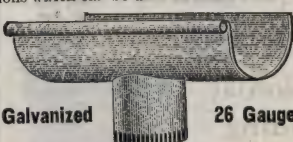
Cut shows inside left hand mitre. Double lock seamed and reinforced. The strongest mitre made.

Be sure to order according to number.

28-Gauge Standard Weight	
22-B-2801 Outside corner, right hand.	
22-B-2802 Outside corner, left hand.	
22-B-2803 Inside corner, right hand.	
22-B-2804 Inside corner, left hand.	
Size, inches.....	4 5 6
Price, each.....	26c 29c 29c
26-Gauge Galvanized, Extra Heavy	
22-B-2601 Outside corner, right hand.	
22-B-2602 Outside corner, left hand.	
22-B-2603 Inside corner, right hand.	
22-B-2604 Inside corner, left hand.	
Size, inches.....	4 5 6
Price, each.....	29c 32c 36c

Adjustable Outlet

Consists of about 12 inches of trough with drop outlet double lock seamed on bottom to connect to the conductor pipe. Price includes separate slip joint connections which can be used on either end.



Galvanized 26 Gauge

22-B-2605 Extra Heavy

For Eaves Trough Size, Inches	For Conductor Pipe Size	22-B-2605 26 gauge Price Each
4	2 in.	21c
5	3 in.	24c
6	4 in.	28c

Strap Hangers for Eaves Trough

22-B-2608

Quickly attached. Makes gutter hanging an easy job. Made of heavily galvanized strap iron.

Size, Inches	4	5	6
Per Dozen.....	60c	70c	85c

Conductor Shoes

Galvanized Corrugated

Double lock seamed, built for long service.

28-Gauge Standard 22-B-2814	
Size, Inches	Price, Each
2	\$0.18
3	.22
26-Gauge Extra Heavy 22-B-2614	
Size, Inches	Price, Each
2	\$0.32
3	.38
4	.54
5	.95

Galvanized Wire Hangers

Made of galvanized wire, and is the most simple and satisfactory wire hanger on the market. Extra strong.



22-B-2609	
Size, Inches	Price, Dozen
4	22c
5	25c
6	34c

Strainer



To prevent leaves, etc., from stopping up pipe. Size of conductor pipe strainer will fit.

22-B-2607	
Size, Inches	Price, Each
2	8c
3	9c
4	13c
5	23c
6	25c

Slip Joint End Caps

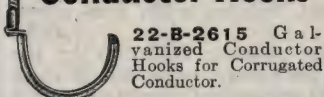


22-B-2606 26-Gauge Galvanized, Extra Heavy

Made in one piece. Used to close ends of eaves trough and adjustable outlets.

Size, Inches	Price, Each
4	8c
5	8c
6	12c

Conductor Hooks



22-B-2615 Galvanized Conductor Hooks for Corrugated Conductor.

Size, Inches	Price, per doz. for wood	Price, per doz. for brick
2	\$0.42	\$0.44
3	.52	.60
4	.74	.89
5	1.05	1.30
6	1.26	1.58

Valley Tin



Made of high grade tin plate in a continuous length, locked and soldered.

Painted One Side

22-B-7445 14 in. wide, weight, per roll 30 lbs.	
Price, per foot.....	8c
Price, 50 ft. roll.....	\$3.40

22-B-7446 20 in. wide, weight, per roll 48 lbs.	
Price, per foot.....	10c
Price, 50 ft. roll.....	\$4.65

GALVANIZED

22-B-7447 14 in. wide, weight, per roll 40 lbs.	
Price, per foot.....	9c
Price, 50 ft. roll.....	\$4.20

22-B-7448 20 in. wide, weight, per roll 60 lbs.	
Price, per foot.....	\$0.14
Price, 50 ft. roll.....	6.55

Conductor Fasteners

Suitable for wood or brick buildings. Made of heavily galvanized wire. Keeps the pipe from coming in contact with the building, preventing the moisture from rotting the siding and corroding the pipe.



22-B-2616	
Price per Dozen	
Size, Inches	2 3 4 5 6
Price.....	33c 36c 43c 59c 72c

Artistic "Unit-Made" Garden Fences

Easily Erected! Made of Clear Fir Lumber! Already Painted!

These artistic fences are "Unit-Made" in easily handled sections enabling you to erect your fence in a few hours. Just set the posts—then set fence sections on leveling blocks and nail them in place—hinge the gate and your Harris unit-made fence is completed. Made of clear grade of Fir lumber—known as the Weather Defying Wood! Strong—rigid—goodlooking fences to beautify and improve your property.

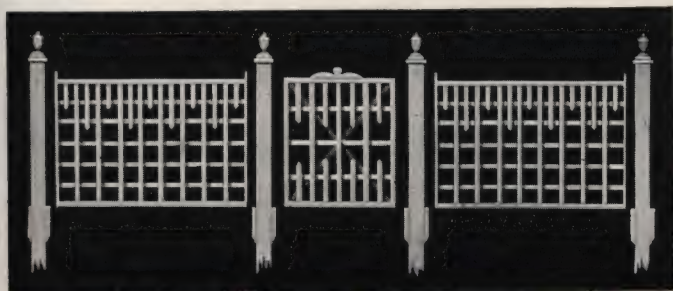


Illustration shows units separated so you can see how easily the fence can be set up

WOODLAND

Complete fences for any width lot, very durable, ornamental and attractive yet priced very low. Artistic designs—exceptional construction features—made of clear kiln dried fir and will last over a long period of time.

This fence is built in units of three lengths: 5 ft., 5 ft. 6 in. and 6 ft. All painted white, one heavy coat. Fence sections and gate are 4 ft. high.

No. 38-B-800. "Woodland" fence, 5 ft. sections. . . . \$3.90
No. 38-B-801. "Woodland" fence, 5 ft. 6 in. sections. . . . 4.05
No. 38-B-802. "Woodland" fence, 6 ft. sections. . . . 4.25
No. 38-B-850. "Woodland" gate, as illustrated to match "Woodland" fence. Size 3 ft. 3 in. wide, 4 ft. high (Fence Post Prices shown below.) 3.92

Strongly Built

Harris "Unit-Made" Fences. The top rail of 2x4 clear fir is grooved to receive the picket, the bottom rail also of 2x4 clear fir is rabbeted one side to allow the water to run off. The side rails are of 1x4 clear fir and extend beyond the top rail so as to permit nailing to the post. The bottom rests on the block which is part of the post.

All fences and gates are painted one good coat of white paint before shipping.

GROVE

Here is inexpensive protection from promiscuous trespassing. The "Grove" design shown above is a combination plain and fancy head picket fence. Made in same size units as the "Woodland" design. Beautifully finished and painted white—one heavy coat. When ordering give width of lot your fence is to cover in addition to size and number of units needed.

Fence sections and gates are 4 ft. high.
No. 38-B-700. "Grove" fence, 5 ft. sections. . . . \$4.05
No. 38-B-701. "Grove" fence, 5 ft. 6 in. sections. . . . 4.30
No. 38-B-702. "Grove" fence, 6 ft. sections. . . . 4.50
No. 38-B-750. "Grove" gate, 4 ft. high by 3 ft. 3 in. wide. . . . 4.40
(Fence Post Prices shown below.)

Flower Boxes

Complete With Brackets



Artistically designed flower box. Box 8"x8"x36" long. Front 45" long. Made of No. 1 White Pine, and painted one good coat of white paint.

No. 38-B-144. Complete with brackets. . . . \$1.15



Same as above, but more ornamental. Makes a very attractive box for the porch or window. Neatly trimmed with moulding.
No. 38-B-145. Complete with brackets. . . . \$1.60

Pergolas



A modern neatly designed, well constructed pergola that will add a touch of distinctive beauty and completeness to your grounds. Numerous elegant designs in all sizes can be built from our big stocks of Clear Fir pergola material. Here are three popular sizes. Painted one coat white.

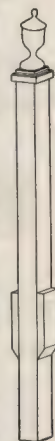
Catalogue Number	Size at Base	Size Over All	Columns		Price
			Number	Size	
38-B-985	6'x 8'	9'-4"x11'-4"	4	8"-8'	\$29.00
38-B-986	6'x12'	9'-4"x15'-4"	6	8"-8'	44.00
38-B-987	8'x16'	11'-4"x19'-4"	6	8"-8'	52.00

Fence Posts

Clear Fir special made posts with 2x4 leveling or support blocks on two sides for supporting fence sections. Made of 4x4 lumber with ornamental cap.

No. 38-B-950. (right.) Fancy post with urn head cap 3 1/2"x3 1/2" in. net square—with 2-2x4 support blocks on which fence rests. Posts are 8 ft. long. (3 ft. in the ground.) Painted white one coat. . . . \$1.75

No. 38-B-951. (left.) Plain post 8 ft. long (3 ft. in the ground) same as 38-950 design but no urn. Painted white, one coat. . . . \$1.25

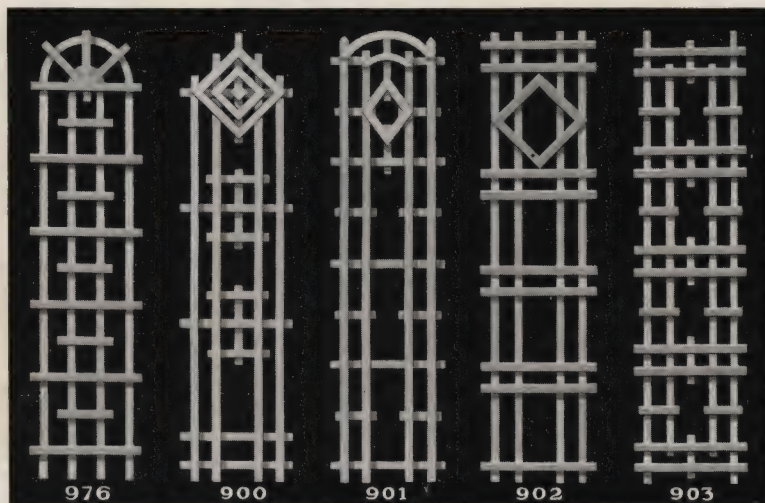


Beautifully Designed Trellises

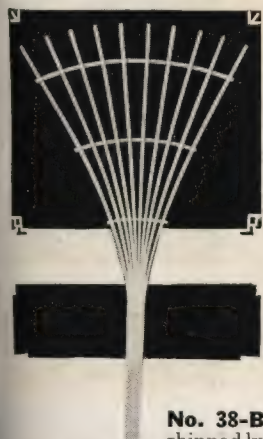
Not the flimsy kind, but extremely well made of clear kiln dried 1"x2" Fir.

Offered at these low prices and considering labor, material and painting, they are less expensive than if you bought the materials and built them yourself. Each trellis comes to you completely built and painted white, one heavy coat.

Do not confuse our trellises with the kind that are made of little 1/2"x 1/2" strips.



No. 38-B-976. Trellis, size, 2 ft. wide; 8 ft. high. Each. . . . \$2.35
No. 38-B-900. Trellis, size, 2 ft. wide; 8 ft. high. Each. . . . \$2.15
No. 38-B-901. Trellis, size, 2 ft. wide; 8 ft. high. Each. . . . \$2.30
No. 38-B-902. Trellis, size, 2 ft. wide; 8 ft. high. Each. . . . \$1.75
No. 38-B-903. Trellis, size, 2 ft. wide; 8 ft. high. Each. . . . \$1.98



Fan Trellis

8 Ft. High
\$1.45

Made of 1/4"x 1 1/2" strips securely bolted. Fan trellis 8 ft. high overall—spread starts about 2 ft. 6 in. from bottom. The bottom part is to be placed in the ground. The spread at top is 4 ft. Painted white one coat.

No. 38-B-975. Fan trellis shipped knocked down only,

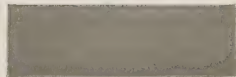
can be set up in a few minutes, by merely inserting rods through strips and spacers in between. Can be cut down by merely sawing off at bottom or top. . . . Each \$1.45

Lacquer and Enamels From This Chart

You will like Harris Guaranteed Paint Products, not only for the many beautiful effects that may be gained from this very complete array of colors, but because of their unexcelled quality. You may pay twice the price, but you cannot purchase better painting materials than these. Complete descriptions, prices and our paint guarantee will be found in the pages which follow.

Harris Durable FLOOR PAINT

Prices on Following Pages



No. 1140—Gray



No. 1146—Lead



No. 1147—Green



No. 1141—Yellow



No. 1143—Tan



No. 1145—Red

Harris GARAGE and BARN PAINT

Prices on Following Pages



No. 816—Yellow



No. 810—Red



No. 813—Maroon



No. 814—Lead



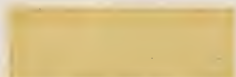
No. 815—Slate



No. 812—Green

Brushing or Spraying LACQUER

Prices on Following Pages



No. 500—Old Ivory



No. 505—Golden Yellow



No. 510—India Buff



No. 501—French Gray



No. 506—Orange



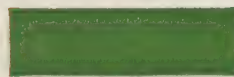
No. 511—Lettuce Green



No. 502—Mist Blue



No. 507—Mandarin Red



No. 512—Apple Green



No. 503—Shantung Blue



No. 508—Bright Red



No. 513—Jade Green



No. 504—Rich Blue



No. 509—Golden Brown



No. 514—Dark Green

Harris AUTOMOBILE ENAMEL

Prices on Following Pages



No. 1106—Yellow



No. 1103—Red



No. 1107—Medium Green



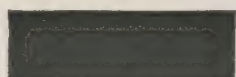
No. 1100—Deep Cream



No. 1108—Tan



No. 1104—Brewster Green



No. 1101—Battleship Gray



No. 1102—Dark Blue



No. 1105—Black

Harris HIGH GLOSS ENAMEL

Prices on Following Pages



No. 1167—Orange



No. 1162—Carmine



No. 1161—Silver Gray



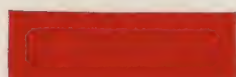
No. 1157—Rose Pink



No. 1156—Sea Green



No. 1166—Bright Green



No. 1164—Vermilion



No. 1168—Pale Blue

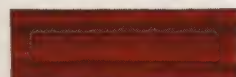


No. 1165—Green

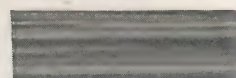
HARRIS BROTHERS COMPANY

Harris Creosote SHINGLE STAIN

Prices on Following Pages



No. 64—Venetian Red



No. 69—Silver Gray



No. 62—Weathered Oak



No. 66—Brown



No. 65—Moss Green



No. 68—Light Green

Harris High Lustre VARNISH STAIN

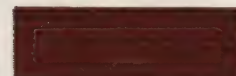
Prices on Following Pages



No. 101—Light Oak



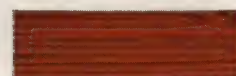
No. 102—Rosewood



No. 103—Mahogany



No. 104—Walnut



No. 105—Cherry



No. 106—Antique Oak

Select the Colors of Your Paints, Stains,

For convenience and accuracy in ordering, we show here color reproductions of Harris Paints, Stains, Lacquers and Enamels. They are very close to the shades of the actual paint colors—as near as it is possible to reproduce them with printing ink. Harris Paint Products afford unlimited opportunities for you to gratify your individual taste in beautifying the Interior and Exterior of your Home.

FLAT WALL Washable Paint

For Interior Decorating

Prices on Following Pages

No. 89—WHITE



No. 90—Gray



No. 82—Buff



No. 83—Pink



No. 91—Tan



No. 80—Cream



No. 81—Canary



No. 92—Deep Cream



No. 84—Pale Blue



No. 85—Light Green



No. 86—Green



No. 87—Red



No. 88—Leather Brown

Harris Guaranteed HOUSE PAINT

Prices on Following Pages

Furnished in
WHITE No. 525

Furnished in
BLACK No. 550



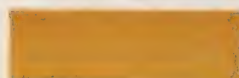
No. 5126—Cream



No. 2109—Light Yellow



No. 545—Special Cream



No. 2154—Ivory Yellow



No. 2111—Canary



No. 2119—Oak



No. 2108—Orange



No. 5129—Tan



No. 2153—Buff



No. 3104—Brown



No. 3159—Russet



No. 5130—Chocolate



No. 538—Silver Gray



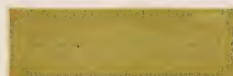
No. 2116—Pink



No. 2102—Azure Blue



No. 3160—Peacock Blue



No. 3156—Blue Green



No. 2104—Blue



No. 2118—Fawn



No. 2120—Terra Cotta



No. 2122—Venetian



No. 5154—Vermilion



No. 2152—Cherry



No. 2123—Maroon



No. 5107—Drab



No. 2105—Light Gray



No. 526—Medium Gray



No. 2106—Slate



No. 5134—Gray



No. 2107—Dark Gray



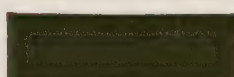
No. 2115—Bronze



No. 2113—Olive



No. 2114—Pea Green



No. 5160—Moss Green



No. 5140—Blind Green



No. 5139—Dark Green

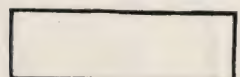
SATIN-KOTE

Kalsomine

For Interior Decorating

Prices on Following Pages

12 Beautiful Colors



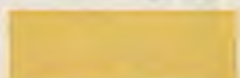
No. 100—White



No. 120—Cream



No. 53—Light Buff



No. 140—Yellow



No. 150—Pea Green



No. 52—Medium Green



No. 200—Light Blue



No. 49—Azure Blue



No. 125—Blue



No. 138—Salmon Pink



No. 136—Pink



No. 133—Buff

HARRIS BROTHERS COMPANY

HARRIS House Paint



\$ 1⁹⁵

Per Gallon



Guarantee House Paint

We Guarantee every gallon of "Harris" house paint to be equal in every respect to the highest priced paints on the market. We guarantee that it will come up to your highest expectations in spreading and wearing qualities, appearance and fastness of color. The purpose of this guarantee is to give you an assurance of satisfaction, and if you are not pleased in every way, or if for any reason you are not satisfied with your purchase of "Harris" house paint, we will replace every gallon you have purchased free of charge.

HARRIS BROTHERS CO.

THE QUALITY of the paint you use should be more carefully considered than probably any other material you buy. The purchase of good paint—the kind that is made from a scientific formula of finest ingredients, is real genuine economy. "Harris" house paint is good paint. Pure linseed oil, lead and zinc are used as the main body.

36 Non-fading Colors to Choose from

See Paint Color Chart in This Book

No. 525—White
No. 550—Black
No. 5126—Cream
No. 2119—Oak

No. 545—Special Cream
No. 2154—Ivory Yellow
No. 2109—Light Yellow
No. 2111—Canary
No. 2108—Orange
No. 5129—Tan
No. 2153—Buff
No. 3104—Brown
No. 3159—Russet
No. 5130—Chocolate
No. 538—Silver Gray
No. 2116—Pink
No. 2102—Azure Blue
No. 3160—Peacock Blue
No. 3156—Blue Green
No. 2104—Blue
No. 2118—Fawn
No. 2120—Terra Cotta

No. 2122—Venetian
No. 2123—Maroon
No. 5107—Drab
No. 2105—Light Gray
No. 526—Medium Gray
No. 2106—Slate
No. 5134—Gray
No. 2107—Dark Gray
No. 2115—Bronze
No. 2113—Olive
No. 2114—Pea Green

Special Colors

No. 5154—Vermilion*
No. 2152—Cherry*
No. 5160—Moss Green*
No. 5140—Blind Green*
No. 5139—Dark Green*

Order No. 4-B-700

You Can Pay More But You
Won't Get Better Paint

1 quart cans. Each, Regular Color..... 70c
1 quart cans. Each, Special Colors..... 85c
1 gallon cans. Each, Regular Color..... \$2.10

5 gallon kit. Per gal., Regular Colors. \$2.08
25 gal. (1/4 bbl.). Per gal., Regular Colors 2.00
50 gallon bbls. Per gallon, Regular Colors 1.95

*SPECIAL COLORS—Add 50c per gallon to above prices.

5 Gallon Kit of Harris House Paint and One High Grade 4-inch Brush (Set in Rubber)

\$11⁰⁰

The brush furnished is of excellent quality, 4 inches wide with pure black bristles, 3 3/4 inches long, set in vulcanized rubber. Regular \$1.75 value.
No. 4-B-701—5 Gallon Kit of Regular Colors Harris House Paint and one High Grade 4-inch Brush..... \$11.00

SPECIAL COLORS—(Marked with asterisk*) add \$2.50 to above price.

Brushing or Spraying LACQUER

"Dry in 30 Minutes"

**Make Your Home Cheerful and Attractive
Easy to Apply—Long Lasting!**

Add new life and beauty to your old furniture with Harris Brushing or Spraying Lacquer. With the wide range of colors many beautiful combinations are possible. One or two coats applied 30 minutes apart is usually sufficient. Easily cleaned with soap and water, and if a high finish is desired use any Lacquer Polish.

USES

FURNITURE — WOODWORK — WALLS — FLOORS — LAMPS—PICTURE FRAMES—ICE BOXES—ELECTRIC FIXTURES and APPLIANCES—RADIO CABINETS—OFFICE FURNITURE—BRIC-A-BRAC—FLOWER BOXES.

Anyone can apply Harris Brushing Lacquer with splendid results. May be brushed on or sprayed. For spraying we recommend our spray pump on the next page—a special outfit designed for household use. Lacquer your furniture and it's ready for use in an hour with a finish that is weather and water-proof and will wear indefinitely. Complete directions with every can of Lacquer.



See Our Paint
COLOR CHART
in This Book

Easily
Applied
by
Anyone

No. 507—Mandarin Red

No. 500—Old Ivory	No. 508—Bright Red
No. 501—French Gray	No. 509—Golden Brown
No. 502—Mist Blue	No. 510—India Buff
No. 503—Shantung Blue	No. 511—Lettuce Green
No. 504—Rich Blue	No. 512—Apple Green
No. 505—Golden Yellow	No. 513—Jade Green
No. 506—Orange	No. 514—Dark Green

No. 4-B-1320. Harris Brushing Lacquer:

1 gallon cans.....	\$7.00
1 quart cans.....	1.80
1 pint cans.....	1.00
½ pint cans.....	.60

No. 4-B-1321. Thinner for Harris Brushing Lacquer:

Pint cans, each.....	\$0.60
Quart cans, each.....	1.00
Gallon cans, each.....	3.50

Harris GARAGE and BARN PAINT

\$1.50 Per
Gallon



Paint is Protection. Protect your Garage and Barn and other Buildings from the constant exposure to the elements with Harris Garage and Barn Paint. Inspect your buildings now and select the paints you need. Unnecessary delays are costly. Harris Garage and Barn Paint is scientifically made of the best ingredients that protect as well as preserve. The average covering capacity per gallon is 250 square feet, two coats.

See Our PAINT COLOR CHART in this Book
6 Permanent Colors

REGULAR COLORS

No. 816—Yellow
No. 810—Red
No. 813—Maroon
Order No. 4-B-702.
1 gal. can,
each.....\$1.50
5 gal. Kits,
per gal..... 1.48
25 gal. (½ bbl.),
per gal..... 1.45

*The colors indicated as "special colors" require more expensive color ingredients than the regular colors, and consequently we are forced to advance these prices slightly.

SPECIAL COLORS

No. 814—*Lead
No. 815—*Slate
No. 812—*Green
Order No. 4-B-703.
1 gal. Can,
per gal.....\$1.75
5 gal. Kits,
per gal..... 1.73
25 gal. (½ bbl.),
per gal..... 1.70

\$8.00

Buy a 5 Gallon Kit of above Paint and a High Grade 4-inch, Regular \$1.75 Brush (set in rubber). 4-B-704. 5 Gal. Kit of paint and brush \$8.00.

If you desire any of the special colors, add \$1.25.

FLAT WALL Washable Paint

A Smooth
Velvety Finish
for Interior
Decorating

70c Per Quart



Harris FLAT WALL Paint gives a beautiful, dull texture to your walls and is appropriate for use in dining room, living room, bedroom, kitchen and halls. This paint is sanitary and will not rub off, spot or fade and is renewed by washing with soap and water. FLAT WALL paint is easy to apply and will not run or lap. Average covering capacity per gallon is 200 square feet, two coats.

See Our PAINT COLOR CHART in this Book

13 Attractive Colors

No. 89—WHITE

No. 90—Gray	No. 92—Deep Cream
No. 82—Buff	No. 84—Pale Blue
No. 83—Pink	No. 85—Light Green
No. 91—Tan	No. 86—Green
No. 80—Cream	No. 87—Red
No. 81—Canary	No. 88—Leather Brown

4-B-905

5 gallon cans.	Per gal.....\$2.15
1 gallon cans.	Per gal..... 2.20
1 quart cans.	Per can..... .70

Liquid Fibre ROOF CEMENT

60c

Per Gallon



A new method of preserving the life of metal, paper and composition roofing. A liquid compound that will quickly and permanently seal all leaks, cracks and holes in any kind of a roof, making a perfectly water tight covering. This covering will add years of service to your roof. It seals all small holes, caused by rust and deterioration. Absolutely water proof and sun proof. It is a heavy rubber-like combination of durable oils, reinforced with asbestos fibre. Apply in a heavy coat, using about one and one-half gallons to the hundred square feet.

4-B-150.	Per Gal.
1 gal. can—Shipping wt., 15 lbs.	90c
5 gal. can—Shipping wt., 75 lbs.	75c
25 gal. 1/2 bbl.—Shipping wt., 225 lbs.	65c
50 gal. bbl.—Shipping wt., 500 lbs.	60c

Asbestos Fibre ROOF CEMENT

5 1/2c

Per Pound



4-B-151.	Per Lb.
5 lb. can	13c
10 lb. can	12c
25 lb. pail	10 1/2c
100 lb. keg	8 1/2c
300 lb. half barrel	7 1/2c
550 lb. barrel	5 1/2c

HARRIS AUTOMOBILE ENAMEL Quick Drying!



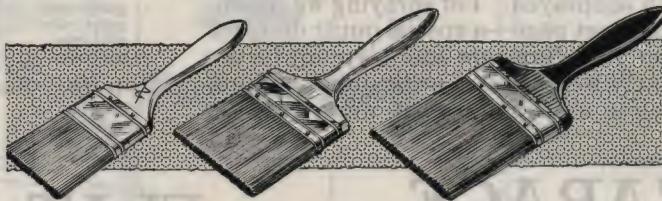
\$1 35
Per Quart

See our Paint Color Chart in this book

Harris Auto Enamel is particularly made for refinishing automobiles. It is simple to use, and requires no expert knowledge to apply. Apply with a fine brush or our Harris Spray Brush shown on page 62. You can obtain a smooth surface. No brush marks will show. Complete directions with each can.

No. 1106—Yellow	
No. 1100—Deep Cream	
No. 1101—Battleship Gray	
No. 1103—Red	
No. 1108—Tan	
No. 1102—Dark Blue	
No. 1107—Medium Green	
No. 1104—Brewster Green	
No. 1105—Black	
4-B-585.	
1 quart can.....	\$1.35
1 pint can.....	.75
1/2 pint can.....	.43

Bargains in Good Brushes



RUBBERSET HOME BRUSH

For varnishing, enameling, staining, or painting. A most durable brush. Selected Chinese bristles, solidly imbedded in hard vulcanized rubber.

4-B-1301.
2 inches wide..... 40c

4-INCH WALL BRUSH

This brush is specially manufactured for us from pure black bristles, 3 3/4 inches long, vulcanized in rubber. A high grade brush that is guaranteed to give satisfactory service.

4-B-58..... \$1.25

SPECIAL WALL BRUSH

Made of all pure black Chinese bristles, 4 ins. long, 4 ins. wide, vulcanized in rubber. Suitable for painters or others who use a brush continuously. Packed in individual boxes.

4-B-1339 \$1.75

Harris HIGH GLOSS ENAMEL

\$3 00
Per Gallon



See our Paint Color Chart in this book

For fine interior enamel work. These enamels are especially prepared to meet "easy to apply" requirements of the novice or housewife. Particularly adapted for walls and ceilings in bed rooms, bath rooms and kitchens.

No. 1167—Orange	
No. 1167—Rose Pink	
No. 1164—Vermilion	
No. 1162—Carmine	
No. 1156—Sea Green	
No. 1168—Pale Blue	
No. 1161—Silver Gray	
No. 1166—Bright Green	
No. 1165—Green	

4-B-921.	
1 gallon cans.....	\$3.00
1 quart cans.....	.80
1/2 pint can.....	.25

Harris Spray Brush

for Lacquering and Painting

\$8 50 Complete



A practical spray brush for all lacquer and paint jobs, with a steady even flow that penetrates to parts "hard to paint".

USES

For painting radiators, automobiles, furniture, spraying trees and shrubbery, applying light oils to automobile springs and chassis, spraying insecticides, etc.

Fast and easy to operate. Pump stores up a pound of air with each stroke and does not fatigue operator. Anyone without previous experience can produce excellent work with this new Harris Spray Brush. Sold completely equipped with Spray Gun and Hand-operated air compressor, including a No. 2 (bristle) brush for trimming and small work. The only breakable part is the glass jar which can be replaced by any mason fruit jar.

4-B-1300.—Harris Spray Brush. Complete with Spray Gun, Air Compressor, hose and No. 2 (bristle) brush..... \$8.50



A 2 inch re-touching brush, with bristles set in rubber, is included free.

High Grade Varnishes



EXTRA COACH VARNISH

Suitable for the best interior work. Varnish of medium color and good body. The most durable varnish for this grade of work. Can be rubbed or left in the gloss. Dries dust free in three to four hours.

4-B-1007.	
1 pint cans.....	\$.45
1 quart cans.....	.75
1 gallon cans.....	2.25
5 gallon cans.....	10.00



WEARING FLOOR VARNISH

The highest grade floor varnish. Suitable for use on natural wood or painted floors. An elastic varnish that will not scratch, turn white or show heel marks. A most economical and durable floor varnish.

4-B-1013.	
1 pint cans.....	\$.50
1 quart cans.....	.80
1 gallon cans.....	2.50
5 gallon cans.....	11.00



FURNITURE VARNISH

A good varnish at an unusually low price. Has a fine gloss and will rub nicely. Light in color and dries dust free in eight hours. Get the benefit of these big sale savings.

4-B-1001.	
1 pint cans.....	\$.45
1 quart cans.....	.70
1 gallon cans.....	2.25
5 gallon cans.....	10.00

Harris Mineral ASPHALT PAINT



**80c
Black
Per Gallon**

An ideal roofing coating for wood, metal or composition roofs. Tough and elastic. The colors produce a beautiful effect, harmonizing with the colors used in your house paint. Made of the best grade Trinidad asphalt especially treated and combined with pure boiled linseed oil. When dry it forms a tough, elastic surface. Is not affected by expansion or contraction, acids, gases or alkali. One gallon will cover two hundred and fifty feet smooth surface. Supplied in four colors, maroon, green, brown and black.

4-B-913—	Black	Colors
1 gallon can.....	\$0.90	\$1.28
5 gallon can.....	.88	1.25
25 gallon half barrels.....	.85	1.20
50 gallon barrels.....	.80	1.12

Harris Creosote SHINGLE STAIN

**\$1³⁵
Per Gallon**

The best wood preservative known. Harris Creosote Shingle Stain is scientifically prepared. The colors are extremely durable and attractive and are guaranteed not to fade. Can be applied with a brush after shingles are laid, or shingles can be dipped before laying. When applied with a brush one gallon will cover about 150 square feet of surface one coat. For dipping it requires 2 1/2 to 3 gallons per thousand shingles.



See our Paint Color Chart in this book

No. 64—Venetian Red	No. 66—Brown
No. 69—Silver Gray	No. 65—Moss Green
No. 62—Weathered Oak	No. 68—Light Green
4-B-901. 1 gallon cans, per gallon.....	\$1.45
4-B-902. 5 gallon cans, per gallon.....	1.42
4-B-903. 25 gallon half barrels, per gallon..	1.38
4-B-904. 50 gallon half barrels, per gallon..	1.35

White Lead



Our white lead is non-poisonous, is carefully ground and scientifically mixed. Ground in pure oil. Our Strictly Pure lead is recommended and will give extra good service. Our "Premier" lead is of guaranteed quality.

4-B-1106.

"Premier" White Lead

100 lb. kits, per lb.....	11c
50 lb. kits, per lb.....	11 1/4c
25 lb. kits, per lb.....	11 1/2c
12 1/2 lb. kits, per lb.....	12c

4-B-1107.

Strictly Pure

100 lb. kits, per lb.....	16c
50 lb. kits, per lb.....	16 1/2c
25 lb. kits, per lb.....	17c
12 1/2 lb. kits, per lb.....	18c

Lubricating Oils and Greases



4-B-601. High grade Tractor Engine Oil, tested and approved by leading Tractor manufacturers and highly recommended as a splendid lubricant.

Per gallon.....	\$1.00
5 gallon cans, per gallon.....	.95
25 gallon barrels, per gallon.....	.85
50 gallon barrels, per gallon.....	.75

Separator Oil Recommended for Cream Separators.

A light colored oil, recommended for hand and power machines.

4-B-10819—	Per Gal.
1 gal. can.....	\$1.25
5 gal. cans.....	1.20
25 gal. half bbls.....	1.10
50 gals. bbls.....	1.00

Red Engine Oil

Highest grade lubricating oil. 500 fire test. 200 viscosity test.

4-B-10815—	Per Gal.
1 gal. can.....	.85c
5 gal. cans.....	.80c
25 gal. bbls.....	.65c
50 gal. bbls.....	.60c

Cup Grease

High grade transmission grease. Will not gum or harden. Prevents rust and reduces friction. A superior lubrication for general transmission.

4-B-10843—	
5 lb. pails.....	\$0.90
10 lb. pails.....	1.70

Axle Grease

Highest quality refined grease. Lessens friction and lightens draft. Guaranteed to give satisfaction.

4-B-10847—	
10 lb. pail.....	\$1.05
15 lb. pail.....	1.40
25 lb. pail.....	2.15



Wall Paper Cleaner



For calcimine, wall paper, window shades and all interior decoration. Absorbs all smoke, dust and dirt. Will not stain or fade.

4-B-10855. Price per can..... 9c

Paint Cleaner

1-lb. Package 9c



An ideal preparation for washing paint, walls, woodwork or any surfaces that can not be cleaned with soap and water. Guaranteed not to damage the furniture or woodwork. Put up in 1 lb. packages.

4-B-10854. Price, each.... 9c

Priced for Real Economy



INTERIOR SPAR VARNISH

Adapted for interior finishes for highest grade work. Light in color. Made from pure hard gum. Can be left in the gloss or rubbed. Dries hard for rubbing in 48 hours.

4-B-1017—	
1 pint can.....	\$ 0.60
1 quart can.....	.90
1 gallon can.....	3.00
5 gallon can.....	14.00

OUTSIDE SPAR VARNISH

Recommended for finishing woodwork in bath rooms or any woodwork that may have hard usage or come in contact with water.

4-B-1019—	
1 pint can.....	\$ 0.65
1 quart can.....	1.00
1 gallon can.....	3.25
5 gallon can.....	15.00

LINOLEUM VARNISH

Applied over linoleum it gives a hard, smooth, elastic finish that will bend with the linoleum. Will not crack. Not affected by hot or cold water. Dries to walk on over night.

4-B-933—	
1 pint can.....	\$ 0.50
1 quart can.....	.80
1 gallon can.....	2.50
5 gallon can.....	11.00

VARNISH REMOVER

Guaranteed to remove paint, varnish or oil from wood without damage to the veneer, glue or filler. Easy to use.

4-B-172—	
1/2 pint.....	\$0.20
1 pint.....	.30
1 quart.....	.55
1/2 gal.....	1.00
1 gal.....	1.80



Harris Flat Finish OIL STAIN

A Perfect Imitation of Natural Wood for staining interior woodwork and other work not finished. Dries with a flat finish. One or two coats of varnish will produce a fine glossy surface. Easily applied with a varnish brush.

Cherry, Mahogany, Rosewood, Walnut, Light Oak, Antique Oak and Dark Oak

4-B-1731. Per half pint can.....	20c
Per 1 pint can.....	\$0.30
Per 1 quart can.....	.52
Per 1/2 gal. can.....	.95
Per gal. can.....	1.75



Harris High Lustre VARNISH STAIN

Recommended for use over a surface already varnished or painted such as old furniture, varnished or painted woodwork. Harris High Lustre Varnish Stain dries hard with a high lustre and is easily applied with a varnish brush.

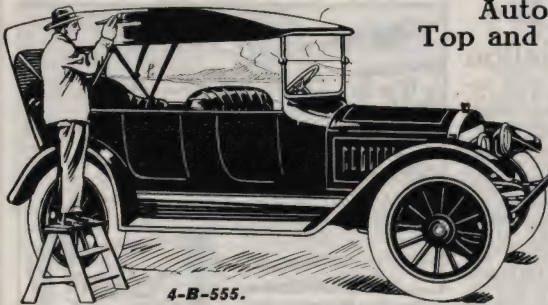


No. 101—Light Oak
No. 102—Rosewood
No. 103—Mahogany
No. 104—Walnut
No. 105—Cherry
No. 106—Antique Oak

See our Paint Color Chart in this book

4-B-171. Per half pint can.....	20c
Per 1 pint can.....	\$0.30
Per 1 quart can.....	.52
Per 1/2 gal. can.....	.96
Per gal. can.....	1.75

Ladders and Paint Accessories!



4-B-555.

Auto Enamel Top and Seat Dressing

Harris Auto Enamel and Auto Top and Seat Dressing have been prepared to renew the appearance of your car. They can be quickly and easily applied, requiring no expert knowledge. With a little of your time and the use of these excellent varnishes, you can make your automobile look like new.

Top and Seat Dressing especially prepared for leather, rubber or mohair tops, and seats and curtains. Fills cracks, covers stains, restores original finish and preserves the life of the fabric.

1 pint cans (sufficient for Ford car) \$0.60 | 1 gallon cans \$3.00
 1/2 pint cans30 | 1 quart cans (sufficient for touring car)80

Colors in Oil



4-B-817. The strongest, most durable unfading colors obtainable. For use in tinting or may be used as it is furnished with the addition of proper thinners. Put up in 1 and 5 lb. cans.

Colors: 1 lb. cans
 Drop Black \$0.30
 Ivory Black30
 Coach Black30
 Lamp Black45
 Prussian Blue 1.25
 Ultramarine Blue45
 Cobalt Blue38
 Raw Umber37
 Burnt Umber27

Raw Sienna27
 Burnt Sienna27
 Vandyke Brown54
 Chrome Green36
 Blind Green90
 Scarlet Vermilion90
 Tuscan Red60
 English Venetian Red20
 Chrome Yellow (Light)36
 Chrome Yellow (Medium)36
 Chrome Yellow (Orange)36
 Yellow Ochre20
 English Rose Pink60
 English Rose Lake60
 Light Oak Graining30
 Dark Oak Graining30
 Antique Oak Graining30
 Walnut Graining30
 Cherry Graining30
 Mahogany Graining30



Flake Glue

4-B-231. First Grade Flake Glue. Can be used on both soft and hard woods or for making printers' rollers, emery wheels, white mouldings or any other purpose where great strength and flexibility are required.

Price, per pound 30c
 Price, 100-pound drums, per pound 28c
 Price, 200-pound drums, per pound 26c

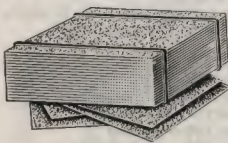
4-B-333. XX Flake Carpenters' Glue. Specially adapted for cabinet makers, carpenters, chipping glass and general repairing.

Price, per pound 24c
 Price, 100-pound drums, per pound 22c
 Price, 200-pound drums, per pound 20c

4-B-335. XXX Kalsomine Glue. A thin cut pure sizing glue, used largely by kalsominers, also by cabinet makers for high-grade joining.

Price, per pound 18c
 Price, 100-pound drums, per pound 16c

Sand Paper



4-B-349. Best quality sand paper.

The sand is sharp flint and applied to paper by special process.

The No. 00 is the finest and No. 3 is the coarsest. Put up 24 sheets to the quire, one

number only. Assorted quires take the sheet price.
 Numbers 00 0 1/2 1 1 1/2 2 3
 Price, 24 sheets 30c 31c 32c 35c 40c 46c 58c
 6 sheets for 10c 10c 10c 10c 12c 13c 15c

XXX QUALITY EMERY CLOTH

4-B-351. Made on heavy twilled cloth back and covered with the best quality emery.

Numbers 00 0 1/2 1 1 1/2 2
 24 sheets \$1.60 \$1.62 \$1.65 \$1.67 \$1.70 \$2.00
 3 sheets45 .45 .45 .45 .50 .55

Wood Filler

4-B-1049.



For filling or first coating any kind of close grained wood. Thoroughly seals up wood pores, and prevents absorption of moisture. This wood filler is transparent, does not need to be rubbed. Recommended for wood work where one or two coats of varnish are to be applied.
 1 qt. cans each \$0.60
 1 gal. cans, per gal. 1.80

Pure Putty

Specially adapted for Painters' and Furniture Manufacturers' use. Guaranteed strictly pure. Will not crumble or crack.

4-B-1107.

Price, 20 lb. cans \$1.00
 Price, 10 lb. cans55
 Price, 4 lb. cans42
 Price, 1 lb. can12



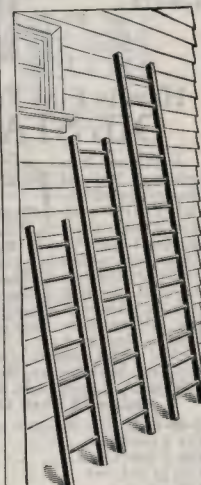
STEEL WOOL

4-B-352. Size 3 Steel Wool used in place of No. 1 or 1 1/2 sand paper. This brand of steel wool enables the painter or decorator to turn out a smooth, glossy piece of work.

Price Per 1 lb. package 40c

4-B-353. Steel Wool for household use. The most efficient and economical time saver of all household cleansers. Packed in convenient cartons containing 2 oz. No. 0—Very fine, recommended for aluminum ware. Price per package 9c

No. 3. Recommended for pots and pans and floors. Price, per package 9c



Farm or Long Ladders

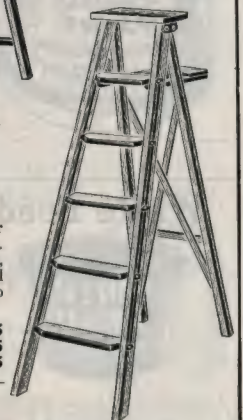
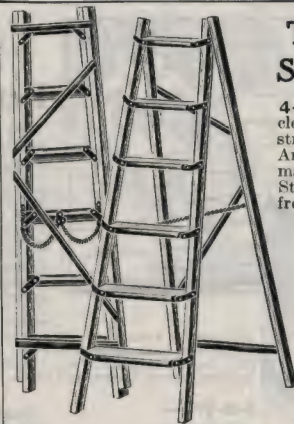
4-B-1223. Sides are made of clear pine. Hickory rungs fastened in the same manner as our extension ladders. A strong, rigid ladder, suitable for all general purposes.

Length	Price
10 feet	\$2.40
12 feet	2.90
14 feet	3.35
16 feet	3.85
18 feet	4.60
20 feet	5.10

Trestles and Step Ladders

4-B-1229. Made of clear pine strongly constructed and well braced. Arranged so that plank may be put on either step. Steps are iron braced in front and back.

Height	Price
5 feet	\$3.00
6 feet	3.60
8 feet	4.80
10 feet	7.50



Superior Step Ladders

4-B-1241. Made of clear pine. Rods under every step. Steel leg spreaders. A strong, safe ladder, fitted with pail shelf, which can be folded up when not in use.

Height, 5 ft. Price, ea. \$2.35
 Height, 6 ft. Price, ea. 2.85
 Height, 8 ft. Price, ea. 3.75

Automatic Self-Locking Ladder

Made from selected clear pine, fitted with pail shelf, hinges of galvanized sheet steel, fastened to the flanges.

4-B-1244. 4 feet, 20 pounds \$1.40
 4-B-1245. 5 feet, 22 pounds 1.75
 4-B-1246. 6 feet, 26 pounds 2.10
 4-B-1247. 8 feet, 30 pounds 2.75



Steel Ladder Jack

4-B-1280. Adjustable to three different positions. Made of best open hearth steel 1/4 in. and 3/8 in. thick, making a strong, rigid scaffold. Quickly and easily

adjusted. Each jack tested for safety before shipping. Price, each \$2.25

Extension Ladders

Strong, durable extension ladders. Made of clear selected pine, and hickory rounds. Extension rollers are of an improved design, simplifying the lowering and elevating of the ladder.

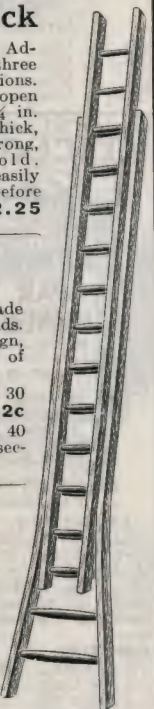
4-B-1250. Two sections from 20 to 30 ft.—per foot 32c

4-B-1251. Two sections from 30 to 40 ft.—per foot 35c. \$1.00 extra for 3 section ladder.

Rope Extension Ladders

4-B-1221. Top section raised and lowered by a rope and pulley attachment. Fitted with improved automatic locking hooks, furnished only in two sections.

Lengths, 20 to 30 feet. Per Ft. 42c
 Price, 30 to 40 ft. Per Foot. 45c



Home Painting and Finishing Needs!

Bath Tub Enamel



Produces a hard, smooth, highly polished and non-absorbent surface. Effectually resists the action of hot and cold water, soaps and other preparations used in baths. With one pint you can do over and give it that new effect. Same remarkable results on sinks and wood and iron work about the

house. No skill is required. Easily applied, will dry over night.

4-B-903. Half Pint.....35c

Pint.....57c Quart.....\$1.00

Painter's Time Saver



With this little tool you can paint as fast as you like and need have no fear of spoiling the decorations. Made of light metal, highly polished. No danger of spoiling the wall paper, window panes or door glass, etc. Also used when washing woodwork. Shipping weight, 8 oz.

4-B-13001. Price Each.....20c

Alcohol Shellac

Made from the finest grades of Guaranteed Pure Gum Shellacs in Denatured Alcohol. Used as first coat on furniture and interior work, except floors on which varnish is to be applied. Dries hard in about 2 to 4 hours. Will cover from 300 to 400 square feet, one coat. Pure Orange Shellac will give the wood an Oak color. White shellac is used where no color is desired. Also recommend it for coating knots and sappy spots before painting.



4-B-1039. Pure Orange Shellac.
Pt. Cans Qt. Cans 1/2 Gal. Cans 1 Gal. Cans
65c \$1.05 \$1.65 \$3.00
4-B-1041. Pure White Shellac.
Pt. Cans Qt. Cans 1/2 Gal. Cans 1 Gal. Cans
75c \$1.20 \$1.90 \$3.50

Stove Pipe Enamel



4-B-935. For stove pipes, stoves, furnaces, grates, smokestacks, iron fences; gives an enamel finish. We have reduced to a liquid state a mineral of volcanic deposit of intense blackness. Withstands heat and retains its brilliant, black luster. It will not peel or burn off; the surface to be painted is cold. A pint is sufficient for six

lengths; black only.

Price, 1/2 pint.....15c

Pint, 22c Quart, 39c Half Gallon, 75c



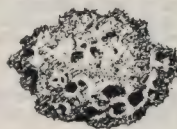
Makes screens look like new. Does not clog the mesh. Dries hard and quickly. Green or black.

4-B-931

Gallons.....\$1.50

Quarts......45

1/2 pint......20



Large sponge, especially adapted for cleaning automobiles. A sponge that is guaranteed to give best service.

4-B-580.....50c

Paste Wood Filler

4-B-1051. Better than any other, as it completely fills the pores, making an impervious surface over which to varnish. Apply with a brush, and after allowing 20 to 30 minutes to set, wipe off smoothly with a rough piece of burlap, wiping across the grain. Ten pounds will fill about 450 square feet.



Made in three shades, natural, light oak and dark oak.

1 lb. can.....25c 5 lb. can.....\$1.05

Satin-Kote Kalsomine



Can be applied by anyone. Ready for use by mixing in hot water. Put up in 4-lb. packages, enough for ordinary sized room.

No. 100—White
No. 120—Cream
No. 53—Light Buff
No. 140—Yellow
No. 150—Pea Green
No. 52—Medium Green
No. 200—Light Blue
No. 49—Azure Blue
No. 125—Blue
No. 138—Salmon Pink
No. 136—Pink
No. 133—Buff

4-B-315. Price, per package.....45c

Linseed Oil and Turpentine

For the convenience of our customers who wish to purchase Linseed Oil and Turpentine with their paint, we will furnish STRICTLY PURE Boiled Linseed Oil and STRICTLY PURE TURPENTINE at the following prices:

Linseed Oil

1 gallon cans, per gal.....\$1.10

5 gallon cans, per gal.....1.07

Turpentine

1 gallon cans, per gal.....90c

5 gallon cans, per gal.....87c

Premier T. Japan



4-B-1025. Is a very reliable heavy bodied oil drier. Will mix with any paint formula without any bad results. Is transparent and has a tendency to add durability to paint instead of burning up the durable qualities of the oil.

Pint Quart 1/2 Gal. 1 Gal. 5 Gals.
40c 50c 85c \$1.55 \$7.50



Harris Durable Floor Paint

Per Gallon \$1.85

Specially prepared and guaranteed to resist wear, washing with hot water and scrubbing, retains its bright, shiny surface. Paint dries overnight with a high gloss. Remains dust free and will be hard enough to walk on in twenty-four hours.

No. 1140—Gray No. 1141—Yellow
No. 1146—Lead No. 1143—Tan
No. 1147—Green No. 1145—Red

4-B-809. Harris Ready Mixed Floor Paint—
5 gallon cans, per gallon.....\$1.85
1 gallon cans, per gallon.....1.95
1 quart cans......60



Harris Porch Paint

Per Gallon \$3.35

Harris Porch Floor Paint. Specially prepared for floor work of porches and stairways. Guaranteed to resist the effects of rain, sun or most severe weather. It is particularly made of highest grade ingredients, which give the greatest preserving and resisting qualities for outside wear. Dries overnight, and obtains a high luster. Made in the following colors: Gray, russet, yellow, lead, red, green, tan and maroon. When ordering specify color desired.

4-B-810. Harris Durable Porch Floor Paint—
5 gallon cans, per gallon.....\$3.35
1 gallon cans, per gallon.....3.40
1 quart cans......90



Cement Wall Coating

Strictly formulated after careful tests to meet the exact physical and chemical requirements of a masonry surface. Guaranteed the most efficient and damp-proofing treatment. It penetrates into the pores of the surface, and on hardening thoroughly seals them. Will not wash off. Stands the hardest usage. An ideal paint for hotels, hospitals, schools or wherever cement is used. Furnished in dark cement, moss green, tan, brown, copper color and slate.

4-B-1201. Cement Wall Coating—
50 gallon barrels, per gallon.....\$2.35
25 gallon half barrels, per gallon.....2.43
5 gallon kits, per gallon.....2.47
1 gallon cans, per gallon.....2.50
1 quart cans, each......70



Cement Floor Coating

On ordinary floors it is almost impossible to make them look clean, but with our Harris Cement Floor Coating they not only make an attractive appearance, but are durable and it is almost impossible for any dust to lie on the surface. The concrete absorbs moisture so rapidly that it is impractical to clean them by ordinary methods.

Harris Cement Floor Coating makes the surface waterproof and at the same time so binding the particles that the dust making feature is eliminated. We can furnish same in the following colors: Cement, Pearl Gray, Slate, Terra Cotta.

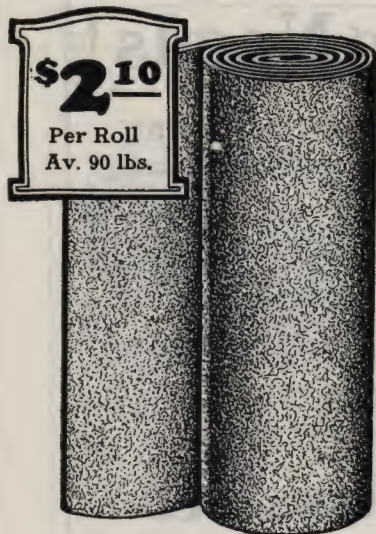
Lot No. 4-B-1211. One quart cans.....\$0.62
Lot No. 4-B-1215. One gallon cans.....2.48
Lot No. 4-B-1217. Five gallon kit, per gallon.....2.45

HARRIS "VERY-BEST" ROOFING

For color illustrations see inside front cover page

None Better Guaranteed for 20 Years Beautiful Slate Surfaced

Approved by Fire Underwriters and carries their label



"The proof of the pudding is in the eating"—WE USE THIS ROOFING OURSELVES—no other testimonial is needed. Guaranteed for 20 years' service. More than 30,000 Harris buildings stand erected in Chicago and suburbs, all covered with Harris "VERY-BEST" Slate Surfaced Roofing. Now we offer it to you at these low prices.

Harris "Very-Best" Roofing is the result of over 35 years experience in roofing manufacture. We believe it is the best piece of roofing produced. Only the highest grade of long fibre rag felt is used as a base for Harris Twenty-Year Roofings. This felt is thoroughly saturated with pure, long-life asphalt, and the best weather-proofing materials; then coated with asphalt, properly tempered, into which the beautiful natural-colored flaked slate is imbedded.

Only the best grade of crushed slate is used on Harris Roofings—no screenings. Harris Slate Surfaced Roofings will not fade. "Harris" roofings meet the Fire Underwriters' requirements everywhere, and carry their approval label.

Average weight, 90-lb. to a roll of 108 square feet—all one length. Has special 2-inch smooth lap to take cement and make tight joint.

The high-grade materials used in Harris "Very-Best" Roofing makes it an excellent non-conductor of heat or cold. This means a saving of fuel in the winter, and a more comfortable house in the summer. The colors are permanent—are not affected by sun, rain or snow—will not fade. Our roofings contain no coal tar.

Order direct from this page. Our guarantee assures your perfect satisfaction. Samples sent free on request.

"VERY-BEST" Slate Surfaced Roofing

Every roll contains 108 square feet and will cover 100 square feet with proper lap allowed. Complete with $\frac{1}{8}$ -inch Galvanized large head roofing nails and special cement for smooth lap.

7-B-3144 Harris "VERY-BEST" Roofing, your choice of RED, GREY-GREEN or BLUE-BLACK Slate Surface. Price per roll of 108 square feet..... **\$2.10**

7-B-3155 Harris "VERY-BEST" AUTUMN BLEND Slate Surface Roofing (all colors drifted together). Price per roll of 108 square feet..... **\$2.25**

Extra long nails for over shingles. Extra per roll..... **10c**
For Ridge and Valley Flashing Strips see shingle page No. 67

"ASHLAND" Slate Surfaced Roofing

Under this brand we offer you a select lot slate surfaced-roofing millends and seconds. Put up in full rolls of 108 sq. ft., some rolls 2 and 3 pieces. They are real bargains at these prices, but do not carry our guarantee. Complete with $\frac{1}{8}$ -inch galvanized nails, and lap cement. On account of limited quantities available please give first and second choice of colors.

7-B-315 "ASHLAND" Slate Surfaced Roofing. Your choice of Red, Grey-Green and Blue-Black. Price per roll..... **\$1.59**

7-B-314 "ASHLAND" Slate Surfaced Roofing Autumn Blend (all colors drifted together). Price per roll..... **\$1.74**

Harris "Diamond-Edge" Slate Surfaced Roll Roofing

Here is a Harris 20-year roofing that has been especially designed for use over old roofs. Avoid the dirt, danger, expense and annoyance of removing old shingles, also retain the insulating value of the old roof by using Harris Diamond Edge Roll Roofing. Splendid appearance; best quality; Carries Underwriters' Label; weight 105 pounds per roll; each roll 48 feet long and will cover 100 square feet. Nails not included; cement not needed.

7-B-3177 Harris DIAMOND EDGE Slate Surfaced Roll Roofing. Your choice of Red, Grey-Green, and Blue-Black. Price per roll..... **\$2.49**

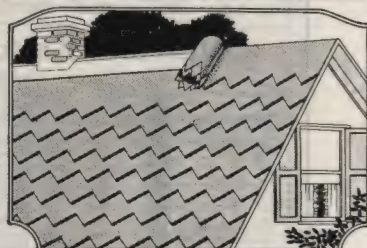
7-B-3174 Harris DIAMOND EDGE Slate Surfaced Roll Roofing Autumn Blend (all colors drifted together). Price per roll..... **\$2.72**

Diamond Edge Mill Ends and Seconds From Above. Wonderful Values—Will Give Long Service

7-B-327 "Ashland" DIAMOND EDGE Slate Surfaced Roll Roofing. Red, Grey-Green, or Blue-Black. Give first and second choice of colors. Price per roll..... **\$1.63**

7-B-324 "Ashland" DIAMOND EDGE Slate Surfaced Roll Roofing Autumn Blend. Price per roll..... **\$1.78**

Extra long, large head, galvanized roofing nails for above for over old shingles. Extra per roll..... **9c**



For color illustrations see inside front cover page.

"RAWHIDE"

\$1.22
Per Roll

"Rawhide" Smooth Surfaced Roofing

Approved by National Board of Fire Underwriters

"RAWHIDE"—the name tells the story—pliable but tough. For actual service on a roof of any kind, it has no superior. Made as "tough as its name"—for hard wear.

Roofs do not wear out—they bake out. This has been taken into consideration in the special grade of SATURATION used in Rawhide. It is a real TALC finish roofing, built of honest raw materials—only high grade felt of tested weight, saturated and waterproofed with the best Asphalt and waterproofing compounds. This saturation is BINDING, PLIABLE and NON-EVAPORATING. Weight consists of pure roofing materials only—no rock surfacing added to make weight.

Our guarantee—we replace full value on EVERY roll that proves defective within the period of the guarantee.

"RAWHIDE" Smooth Roofing

ALL "RAWHIDE" ROOFING IS FIRST QUALITY—ONE length to the roll complete with $\frac{3}{4}$ in. Galvanized Nails. LAP CEMENT and directions for laying.

7-B-4066 "Rawhide," light weight, 35 lbs. to a roll, 8 year guarantee. Price per roll of 108 sq. ft..... **\$1.26**

7-B-4077 "Rawhide," medium weight, 45 lbs. to a roll, 10 year guarantee. Price per roll of 108 sq. ft..... **1.55**

7-B-4088 "Rawhide," heavy weight, 55 lbs. to a roll, 15 year guarantee. Carries "Underwriters' Approval Label. Price per roll of 108 sq. ft. **2.09**

7-B-4099 "Harris" Extra Heavy, 75 lbs. to a roll. Guaranteed 20 years. Also carries "Underwriters' Approval Label. Price per roll of 108 sq. ft. **2.23**

NOTE—Extra long nails for laying over shingles 10c per roll extra. Extra pint cans of Special Lap Cement..... **10c**

"AJAX" Smooth Roofing

This grade represents thousands of rolls of high grade mill ends or seconds, purchased by us from various mills and sold as they run without our guarantee. It is all standard weight roofing. At our prices they are exceptional values. Surface is smooth with tale or sand finish.

Many of our contractors are using "Ajax" Roofing as sheathing or insulating paper. It is fine for this purpose. Each roll is complete with regular first quality $\frac{3}{8}$ -inch galvanized nails and lap cement—108 square feet to a roll.

7-B-400 "AJAX" roofing, light weight. Per roll..... **\$0.88**

7-B-402 "AJAX" roofing, medium weight. Per roll..... **1.04**

7-B-403 "AJAX" roofing, heavy weight. Per roll..... **1.36**

7-B-404 "AJAX" roofing, extra heavy. Per roll..... **1.68**

Furnished without nails or cement at 15c less per roll

Harris Slate-Inlaid Design Roofings

Approved by Underwriters and Bears Their Label!!

"Harris" Slate Inlaid Roofings are made by special machinery, are guaranteed for 20 years' service, fire resisting and bear the Underwriters' label. Much superior to the ordinary printed design roofings. Design will not fade or wash out because it is inlaid in real crushed slate in natural colors. Worth much more than ordinary printed designs because the design and colors are there to stay. Average weight per roll is 95 pounds, has special 2-inch smooth watertight lap for cementing, and is as easy to lay as plain roofing. Excellent for new work, or over old shingles.



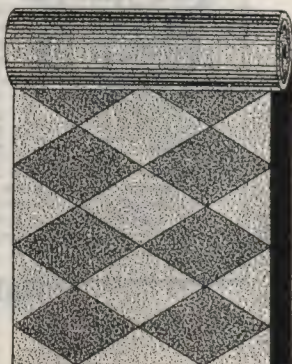
Continuous Individual Slate Shingle Design. When laid these roofings are hard to distinguish from shingles at a distance. To be laid up and over ridge as illustrated.

7-B-3198 "Harris" Shingle Design Slate Inlaid Roofing, Grey-Green slate, with Blue-Black inlaid shingle marking, complete with galvanized nails and lap cement. Price, per roll of 108 square feet..... **\$2.97**

7-B-3199 "Harris" Shingle Design Slate Inlaid Roofing, Red slate, with Blue-Black inlaid shingle marking, complete with galvanized nails and lap cement. Price, per roll of 108 square feet..... **\$2.97**

Continuous Diamond Design Slate Inlaid Roll Roofing that looks like individual alternate red and green diamonds.

7-B-3188 "Harris" Diamond Design Slate Inlaid Roofing, alternating red and grey-green slate inlaid diamonds, complete with galvanized nails and lap cement. Can be laid with the eaves, or up and over peak, a very attractive variegated roof when finished. Price per roll of 108 square feet..... **\$2.97**
Extra long nails for over shingles, extra, per roll..... **10c**



UP-TO-DATE SLATE SURFACED SHINGLES

With Fire Underwriter's Label

**Largest
Stock
in
Chicago**

All "HARRIS" quality Slate Surfaced Shingles bear FIRE UNDERWRITER'S LABELS. They are built on a foundation of the best felt obtainable for that purpose. Felt is saturated with pure asphalt and the best weather proofing materials known to roofing manufacturers. The top coating of crushed slate, in beautiful natural colors, stiffens the shingles, prevents asphalt drying out and makes them fire resistant to the highest degree. Offered in four attractive colors.

For color illustrations see inside front cover page

**"Harris"
Quality
Twenty Year
Guarantee**

Harris Hexagon Shingles

Twin tabs form a hexagon when laid on the roof giving the appearance of individual hexagon shingles, especially recommended for laying over old roofs.

Self spacing, the easiest shingle to lay. Weight per square, 160 lbs. New work requires 1½ lbs. of ⅞-in. nails; relaying work 2 lbs. of 1½-in. nails to each square.

7-B-501 "Harris" Hexagon Slate Surface Shingles (your choice of Maroon-Red, Grey-Green or Blue-Black).

Per square to cover 100 sq. ft. **\$4.25**

7-B-504 "Harris" Hexagon Slate Surface Shingles "Autumn Blend" (all colors drifted together). Per square **\$4.50**

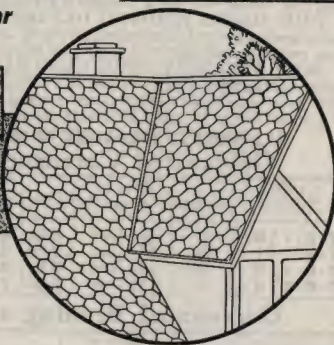
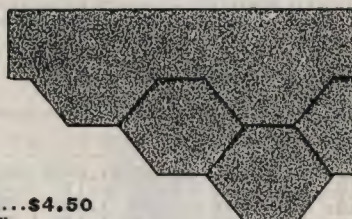
7-B-800R "Chicago" Hexagon Red Slate Surface Shingles. See description below. Per square **2.95**

7-B-800B "Chicago" Hexagon Blue-Black Slate Surface Shingles. Per square **\$2.95**

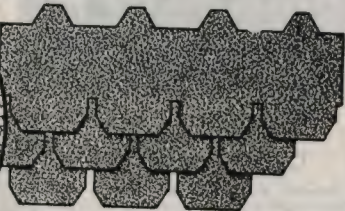
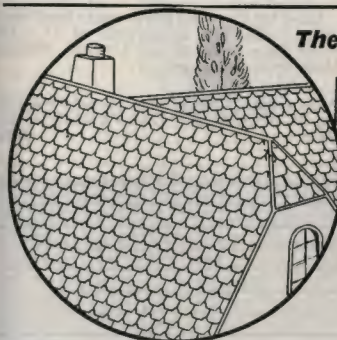
7-B-800G "Chicago" Hexagon Green Slate Surface Shingles. Per square **3.25**

7-B-800A "Chicago" Hexagon Autumn Blend Slate Surface Shingles. Per square **3.35**

**Newest and Most Popular
Shingle Made**



The Improved 4-in-1 Shingles



7-B-604 "Harris" Octagon Slate Surface Shingles (your choice of Maroon-Red, Grey-Green or Blue-Black). Per square **\$5.20**

7-B-803 "Chicago" Octagon Slate Surface Shingles. See description below (your choice of Red, Green or Blue-Black). Per square **\$3.85**

Harris Octagon Shingles

For color illustrations see inside front cover page

This wonderful shingle provides two layers over the entire roof and three thicknesses at the butt where needed. Each slab shows 4 shaped shingles (same as 4-in-1) with the corners slightly cut off giving the roof the appearance of individual, scalloped or octagonal butt shingles. The cut off corners prevent curling and wind flapping. Size 11-in. x 35⅞-in. long. Self spacing. Weight 195 lbs. per square. New work requires 2½ lbs. of ⅞-in. nails; relaying work requires 3 lbs. of 1½-in. nails per square.

7-B-601 "Harris" Octagon Slate Surface Shingles (your choice of Maroon-Red, Grey-Green or Blue-Black). Per square to cover 100 sq. ft. **\$4.95**

7-B-803 "Chicago" Octagon Slate Surface Shingles. See description below (your choice of Red, Green or Blue-Black). Per square **\$5.25**

7-B-803 "Chicago" Octagon Slate Surface Shingles. See description below (your choice of Red, Green or Blue-Black). Per square **\$3.85**

Harris Four-In-One Shingles

For color illustrations see inside front cover page

Illustration at right. Roof appears as though covered with square butt individual shingles. Easy to lay; self spacing. Size 10-in. x 36-in. long. Weight 195 lbs. per square. New work requires 2½ lbs. of ⅞-in. nails; relaying work requires 3 lbs. of 1½-in. nails for each square.

7-B-309 "Harris" 4-in-1 Slate Surface Shingles (your choice of Maroon-Red, Grey-Green or Blue-Black). Per square to cover 100 sq. ft. **\$5.20**

7-B-304 "Harris" 4-in-1 Slate Surface Shingles "Autumn Blend" (all colors drifted together). Per square **\$5.50**

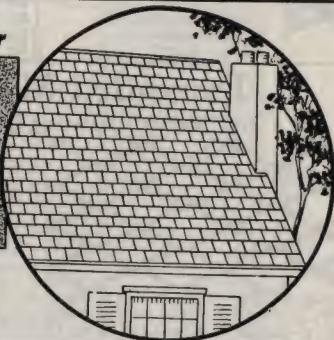
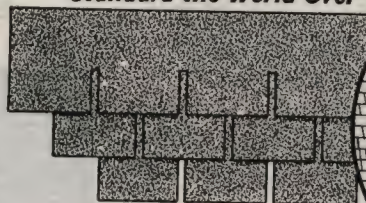
7-B-801R "Chicago" 4-in-1 Red Slate Surface Shingles. See description below. Per square **\$3.65**

7-B-801B "Chicago" 4-in-1 Blue-Black Slate Surface Shingles. Per square **3.65**

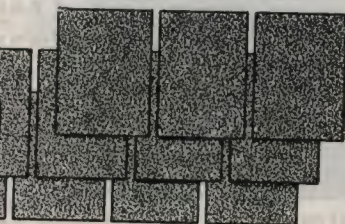
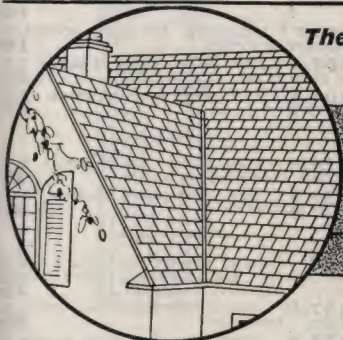
7-B-801G "Chicago" 4-in-1 Green Slate Surface Shingles. Per square **3.90**

7-B-801A "Chicago" 4-in-1 "Autumn Blend" Slate Surface Shingles. Per square **3.95**

Standard the World Over



The Most Roofing for the Money



7-B-802B "Chicago" Individual Blue-Black Slate Surface Shingles. Per square **\$3.30**

7-B-802G "Chicago" Individual Green Slate Surface Shingles. Per square **3.35**

Harris Individual Shingles

For color illustrations see inside front cover page

The old stand-by; three thicknesses over the entire roof—longest life. Laid 4-inch to the weather and about ½-inch apart; nailed 5 inches from the butt. Weight 240 lbs. per square. New work requires 3½ lbs. of ⅞-inch nails; relaying 4½ lbs. of 1½-inch nails to each square.

7-B-602 "Harris" Slate Surface Individual Shingles (your choice of Maroon-Red, Grey-Green or Blue-Black). Per square to cover 100 sq. ft. **\$5.50**

7-B-614 "Harris" Slate Surface Individual Shingles "Autumn Blend" (all colors drifted together). Per square **\$5.80**

7-B-802R "Chicago" Individual Red Slate Surface Shingles. See description below. Per square **\$3.20**

7-B-802B "Chicago" Individual Blue-Black Slate Surface Shingles. Per square **3.30**

7-B-802G "Chicago" Individual Green Slate Surface Shingles. Per square **3.35**

Description of shingles where "Chicago" Brand is offered

The inspection and grading of our "Harris" quality shingles is very severe, therefore any shingle that is not absolutely perfect because of slight surface discolorations, or other small imperfections, is classed as a "dropping" or "second." The material, the manufacture, weight, style and colors are exactly the same as on "HARRIS" first quality shingles quoted above. Many could be picked out and sold as firsts; we, however, sell them as they run under "Chicago" Brand.

With a little careful selection, an almost perfect roof can be had and when once shingles are laid on the roof, color defects, etc., are hardly noticeable; they do not, however, carry our "Harris" quality guarantee but are exceptional value for the money. Please give first and second choice of colors. All roofing offered subject to prior sales and stock on hand. Prices subject to change without notice.

Flashing Strips and Nails

For color illustrations see inside front cover page

Slate Surfaced Flashing strips to be used on ridges, valleys and as starting strips. Same first quality and colors as "Harris" shingles. We recommend the 12-inch width.

7-B-900 Flashing Strips 8-in. wide and 40-ft. long, state color **\$0.58** Per Roll

7-B-901 Flashing Strips 12-in. wide and 40-ft. long, state color **.88** Per Roll

Nails for Shingles Per Keg Per Lb.

7-B-9078 Large Head ⅞-in. Bright Roofing Nails **\$5.55** 7c

7-B-9015 Large Head 1½-in. Bright Roofing Nails **5.35** 7c

For Roll Roofing or Shingles

7-B-9178 Large Head ⅞-in. Galvanized Roofing Nails **\$7.80** 9c

7-B-9115 Large Head 1½-in. Galvanized Roofing Nails **7.45** 9c

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

STEEL ROOFING AND SIDING

Shipped from Chicago—Lowest Freight Rates

GUARANTEED GAUGE AND QUALITY

The use of steel for roofing and for walls, both inside and outside, is becoming more extensive each year. Sheet steel is light and easy to handle. Most anyone can make a good job applying steel roofing and siding. No previous experience necessary. The only tools you need are a hammer and tinners snips. Readily nailed in place without punching or drilling.

STEEL PROTECTS YOU AGAINST FIRE AND LIGHTNING. Our Steel Roofing and Siding will last a lifetime if given a coat of good paint every two or three years. OUR METAL ROOFING DEPARTMENT has been greatly enlarged, equipped with new improved machinery, giving us an opportunity to handle much larger stocks at less expense, and pass this saving on to you in the way of lower prices.

BOTH THE GALVANIZED AND PAINTED ROOFING measure 26 inches wide after corrugated, will fit studs and rafters spaced 24 inches on centers, can easily be laid over old shingles or prepared roofing, as well as on new buildings.

Do not forget to order 10% extra to take care of lapping of sheets.

ALL SHEETS MEASURE 26 INCHES WIDE—PRICE PER SHEET Galvanized Corrugated Roofing and Siding

Catalog Number	Gauge	Size of Corrugation	5 Ft.	6 Ft.	7 Ft.	8 Ft.	9 Ft.	10 Ft.	12 Ft.
7-B-110	28	2½ inch	52c	62c	73c	83c	\$0.94	\$1.04	\$1.29
7-B-111	26	2½ inch	57c	69c	80c	92c	1.04	1.15	1.42
7-B-112	28	1½ inch	53c	63c	74c	84c	.95	1.05	1.30
7-B-114	26	1½ inch	58c	70c	81c	92c	1.05	1.16	1.44

Corrugated Roofing and Siding Painted Red

Catalog Number	Gauge	Size of Corrugation	5 Ft.	6 Ft.	7 Ft.	8 Ft.	9 Ft.	10 Ft.
7-B-115	28	2½ inch	35c	41c	48c	56c	63c	70c
7-B-117	28	1½ inch	36c	42c	49c	57c	64c	71c

FLAT SHEETS 28 inches wide same prices as 2½ inch corrugated galvanized or painted roofing. Write for prices on V crimped roofing.

Order one pound of 1½ inch nails, and ½ pound lead washers for every 100 square feet of roofing or siding. Do not overlook ordering ridge roll with your roofing.

CORNER BEAD for Plaster

Used on projecting corners to secure a straight edge, and to protect plaster. Size 1½ in. x 1½ in.

7-B-2010	Galvanized corner bead.	Price Each
8 feet length.....	16c	
9 feet length.....	19c	
10 feet length.....	20c	
12 feet length.....	25c	

GALVANIZED CORRUGATED RIDGE ROLL

To be used with corrugated roofing

Cat. No.	Gauge	Corrug.	10-Ft.
7-B-124	28	1½ inch	\$0.88
7-B-125	28	2½ inch	.88

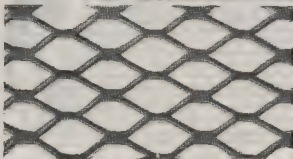
ROOFING NAILS AND WASHERS

Lead washers should be used when nailing on corrugated roofing and siding as they guarantee an absolute water-tight job.

7-B-128	Lead Washers, per lb.	18c
7-B-129	1½ inch Bright Nails, per Pound.....	6c
7-B-133	1½ inch Galvanized Nails, per Pound.....	8c

Expanded Metal Lath

For "Better Plastering Use Metal Lath"



Our lath is painted after forming—result no unpainted cut edges to rust. Expanded lath is often cut into strips 9 inches wide and used in corners for reinforcing, when wood lath are used. Sheets contain 2 square yards.

7-B-2022	Expanded Metal Lath 27 in. by 96 in. (2 sq. yds.) Weight 4½ lbs. per sheet. Painted, price per sheet.....	37c
7-B-2030	Expanded Metal Lath, 27 in. by 96 in. (2 sq. yds.) Weight 6 lbs. per sheet. Painted, price per sheet.....	45c
7-B-2130	¾ in. Rib Self-furring Metal Lath. Very strong. 24 in. by 96 in. (1.78 sq. yds.). Weight 5½ lbs. per sheet. Painted price per sheet.....	52c

SPECIAL BARGAINS IN OVERHAULED GALVANIZED ROOFING

Owing to the constant demand for this product from old and new customers, we will continue to offer this item.

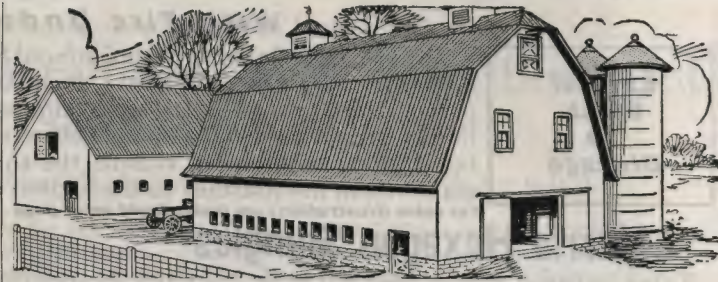
Our contracting for the accumulation of a by-product of one of the largest industries of the country, enables us to offer these galvanized sheets at a tremendous saving. While not new, the sheets have been carefully trimmed, squared and corrugated by us, assuring even corrugation and perfect laying. They are free from holes of any kind.

7-B-135 26 gauge 2½ in. corrugation reclaimed galvanized roofing or siding, painted red on both sides, size 18 in. x 4 ft. 6 in., price PER SHEET.....

7-B-130 24 gauge (extra heavy) 2½ in. corrugation reclaimed galvanized roofing or siding, painted red on both sides, size 24 in. x 4 ft. 6 in., price PER SHEET.....

7-B-131 24 gauge, reclaimed flat galvanized sheets. Painted red, just the thing for lining bins, etc., size 26 in. x 54 in., price PER SHEET.....

7-B-132 16 gauge, very heavy, reclaimed flat galvanized sheets (not painted), suitable for many industrial uses, size 32 in. x 54 in., price PER SHEET.....



Pressed Brick Face Steel Siding

Brick faced steel siding is a big improvement over flat sheets for fireproofing an entire building or for foundation work. Adds greatly to the appearance of the building. When applied it takes close inspection to distinguish it from real brick. Order 10% extra for lapping. All 28 gauge.

7-B-119 Brick Steel Siding, 28 in. x 60 in. PAINTED RED on both sides, per sheet.....

7-B-120 Brick Steel Siding, 28 in. x 60 in., GALVANIZED, per sheet.....



Rock Face Stone Steel Siding



Used for the same purposes as brick steel siding. Has the appearance of 7" x 12" Rock Face Stones or Cement Blocks. Made from 28 gauge.

7-B-140 Rock Face Stone Steel Siding 28 in. x 60 in. GALVANIZED, per sheet.....

Beaded Steel Ceiling or Siding

Beaded steel ceiling makes a neat clean looking job. Especially desirable for fire-proofing or dust-proofing. Sheets show a ¾" bead on 3" center and give a very neat and sanitary appearance. Sheets are about 26" wide, and will cover 24" from center of outside beads. Allow 10% for lapping. Made from 28 gauge.

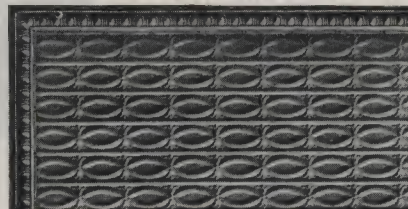
7-B-122	Beaded Steel Ceiling or Siding, PAINTED RED on both sides.	Length.....	5 Ft.	6 Ft.	7 Ft.	8 Ft.	9 Ft.	10 Ft.
Price per sheet.....			33c	40c	47c	53c	60c	66c



Ornamental Metal Ceilings

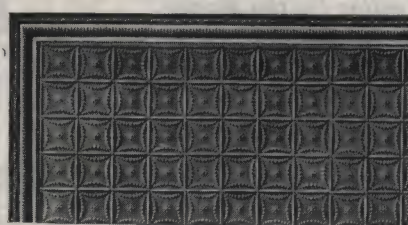
Primed with One Coat of Light Gray Paint on Both Sides

Among the advantages of Ornamental Metal Ceiling are Light Weight, Easy Decorating, and Insulation. Permanency, Fire, Dust and Vermin-Proof. We are in a position to furnish Metal Ceiling suitable for use on any class of building. To the left we illustrate three of the most popular designs. Complete catalogue sent on request.



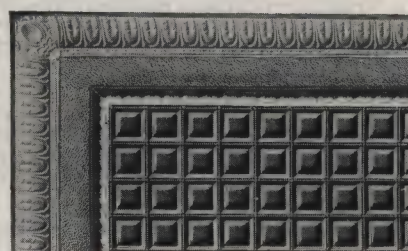
Cornice 7-B-6190

Field 7-B-6100



Cornice 7-B-6190

Field 7-B-6214



Cornice 7-B-6179

Field 7-B-6396

7-B-6190 Cornice, size 3 in. x 4 in. Price per piece 48 in. long.....

7-B-6190-M Mitres for the above, for inner corners.....

7-B-6190-P Mitres for the above cornice for outer or projecting corners.....

7-B-6100-A Field Plate, width of design 5 in. Price, per piece 24 in. x 48 in.....

7-B-6100-B Field Plate same as above. Price per piece, 24 in. x 96 in.....

7-B-6214-A Field Plate, size of design 6 in. square. Price, per piece 24 in. x 48 in.....

7-B-6214-B Field Plate, same as above. Price per piece, 24 in. x 96 in.....

7-B-6197 Cornice, size 5½ in. x 5½ in. Price per piece 48 in. long, including wood backing brackets.....

7-B-6197-M Mitres for the above cornice, for inner corners. Price, each.....

7-B-6197-P Mitres for the above cornice for outer or projecting corners. Price, each.....

7-B-6574 Border with mould. Price per piece 18 in. x 48 in.....

7-B-6574-M Border Corners for the above, for inner corners. Price per piece 18 in. x 18 in.....

7-B-6574-P Border Corners for the above, for outer or projecting corner. Price, per piece 18 in. x 18 in.....

7-B-6396 Field Plate size of design 12" square. Price, per piece 24"x48".....

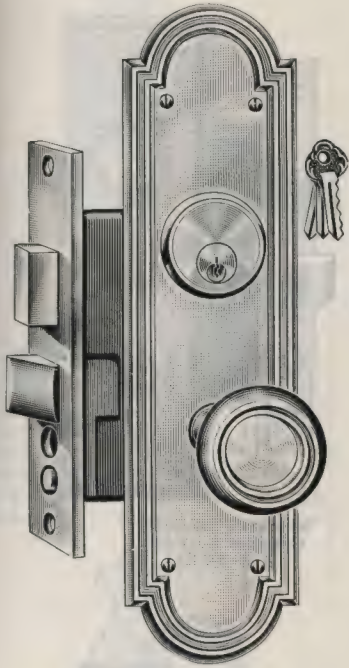
7-B-6000 Wood Furring Strips, for making old ceiling level. Price, per 100 lineal feet.....

Figure one lineal foot of furring strip for each square foot of ceiling.

Latest Design Lock Sets

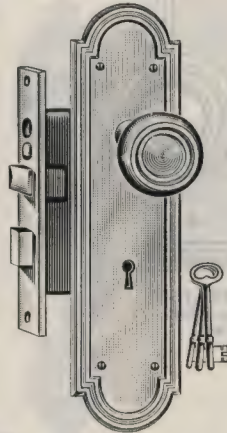
Ardmore Design Lock Set

Wrought bronze and wrought steel in beautiful French sanded finish with high spots polished. Material and workmanship of the highest quality. These lock sets are recommended for the most elaborate and beautiful homes.



Cylinder Lock Set

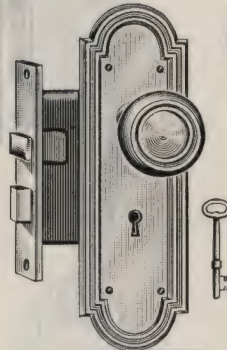
4-B-3364. Genuine wrought bronze 5-pin tumbler, non-pickable lock. Escutcheon $11\frac{1}{2}$ inches long, 3 inches wide. Flat face seamless knobs, $2\frac{1}{4}$ inches in diameter. Cylinder escutcheon, knobs and all parts genuine wrought bronze. Reversible for right or left door, $1\frac{1}{2}$ to $2\frac{1}{4}$ inches thick. Furnished with 3 keys and screws to match. French sanded finish. Price..... **\$9.85**



Bit Key Lock Sets

4-B-3365. Escutcheons, knobs and all parts genuine wrought bronze. Escutcheon plate, $8\frac{1}{2}$ x $2\frac{3}{4}$ inches. Flat face, seamless knob, $2\frac{1}{4}$ inches in diameter. Reversible for right or left hand door. Furnished with 3 keys and screws to match lock set. French sanded finish. Price..... **\$4.10**

4-B-3366. Wrought steel, same as described above, except that escutcheon, knobs and all parts are of wrought steel plated. French sanded finish. Price..... **\$2.70**



Inside Door Lock Set

4-B-3367. Escutcheon knobs and all parts of genuine wrought bronze. Escutcheon, $8\frac{1}{2}$ x $2\frac{3}{4}$ inches. Flat face, seamless knob, $2\frac{1}{4}$ inches in diameter. Reversible for right or left doors. Furnished with one key and screws to match. French sanded finish. Price..... **\$2.40**

4-B-3368. Wrought steel same as described above, except furnished with plated wrought steel knob, escutcheon and trimmings. Price..... **90c**



Push Plates

4-B-3369. Genuine wrought bronze push plate for swinging doors. French sanded finish. Furnished with screws to match. Plate size, $11\frac{1}{2}$ x 3 ins. Price, each..... **80c**

Kenilworth Design Lock Set

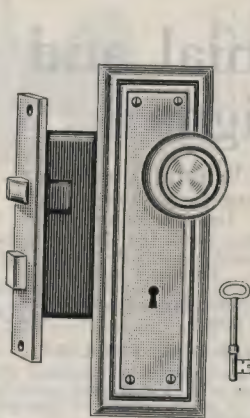
Are of the broad beveled pattern. The simple design gives them the appearance of the heavy cast bronze lock set. These sets are French sanded finish. Finest material and workmanship.



Push Plates

4-B-3370. Genuine wrought bronze push plate for swinging doors. French sanded finish. Furnished with screws to match. Plate size, $10\frac{1}{2}$ x $2\frac{3}{4}$ in. Price, each..... **80c**

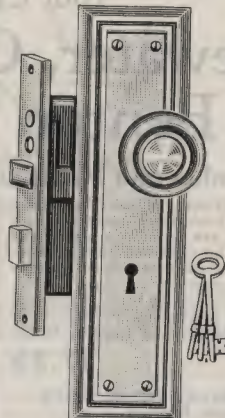
Glass Push Plates
4-B-3370½. Made of heavy plate glass, edges beveled; ground and smoothly finished; size 3x12 inches. Two nickel-plated screws. Price, each..... **35c**



Inside Door Lock Set

4-B-3371. Escutcheon, knobs and all parts of genuine wrought bronze. Escutcheon, $8\frac{1}{2}$ x $2\frac{3}{4}$ inches. Flat face, seamless knob, $2\frac{1}{4}$ inches in diameter. Reversible for right or left doors. Furnished with one key and screws to match. French sanded finish. Price..... **\$2.10**

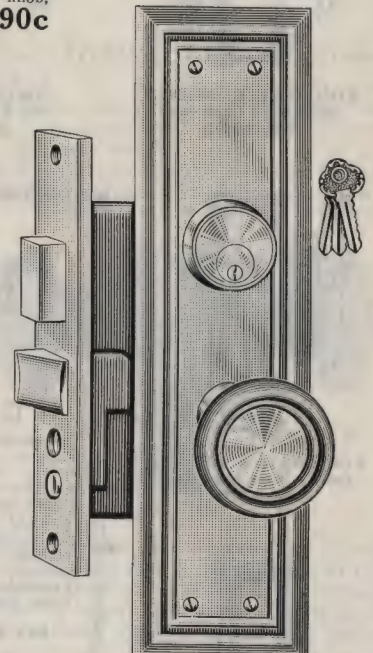
4-B-3372. Wrought steel plated as described above, except furnished with plated wrought steel knob, escutcheon and trimmings. Price..... **85c**



Bit Keyed Lock

4-B-3373. Escutcheons, knobs and all parts genuine wrought bronze. Escutcheon plate, $8\frac{1}{2}$ x $2\frac{3}{4}$ ins. wide. Flat face, seamless knob, $2\frac{1}{4}$ inches in diameter. Reversible for right or left door. Furnished with three keys and screws to match lock set. French sanded finish. Price..... **\$3.95**

4-B-3374. Wrought steel, same as described above, except that escutcheon, knobs and all parts are of wrought steel plated. French sanded finish. Price..... **\$2.15**



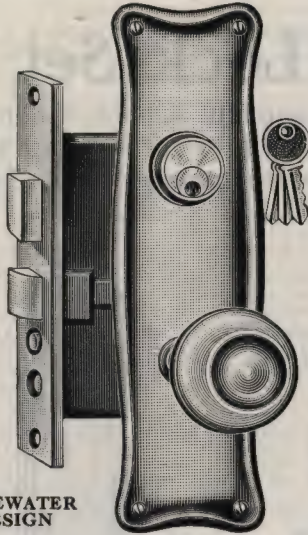
Cylinder Lock Set

4-B-3375. Genuine wrought bronze 5-pin tumbler, non-pickable lock. Escutcheon, $11\frac{1}{2}$ inches long, 3 inches wide. Flat face seamless knobs, $2\frac{1}{4}$ inches in diameter. Cylinder escutcheon, knobs and all parts genuine wrought bronze. Reversible for right or left door, $1\frac{1}{2}$ to $2\frac{1}{4}$ inches thick. Furnished with 3 keys and screws to match. French sanded finish. Price..... **\$8.95**

Edgewater Design

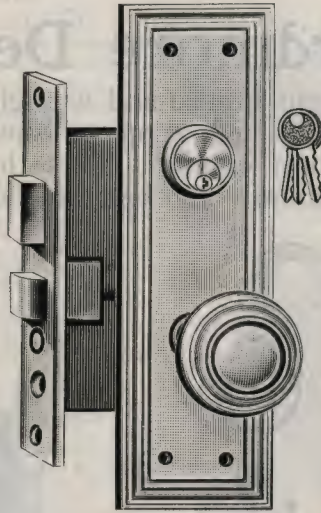
Colonial Design

Benton Design

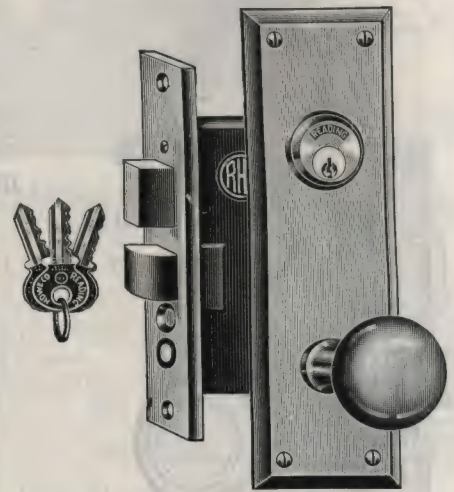


EDGEWATER
DESIGN

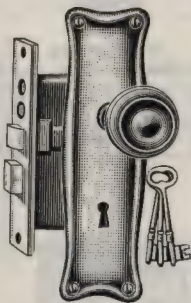
4-B-3001
Cylinder Lock Set



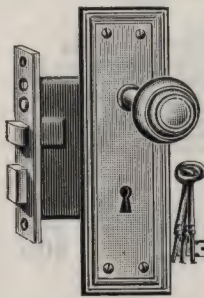
COLONIAL DESIGN
Cylinder Lock Set
4-B-3029



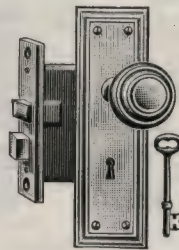
BENTON DESIGN
Cylinder Lock Set
4-B-3071



EDGEWATER DESIGN
Bit Keyed Lock Set
4-B-3005



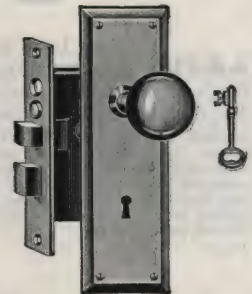
COLONIAL DESIGN
Bit Keyed Lock Set
4-B-3033



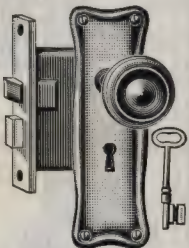
COLONIAL DESIGN
Inside Door Lock Set
4-B-3045



COLONIAL DESIGN
Push Plate
4-B-3065



BENTON DESIGN
Bit Keyed Lock Set
4-B-3072



EDGEWATER DESIGN
Inside Door Lock Set
4-B-3010



EDGEWATER DESIGN
Push Plate
4-B-3021

Your Choice of Edgewater, Colonial and Benton Designs

Give Number and Name and Finish When You Order

Genuine wrought bronze, cylinder lock sets, highest quality workmanship, material and finish. These locks are 5-pin tumbler, non-pickable cylinder. The cylinder, bolts, strike plates, escutcheons and all parts are of genuine wrought bronze. Reversible for right or left doors, from 1½ to 2¼ inches thick, furnished with three keys and screws finished to match lock set. **Antique Copper or Lemon Brass Finishes.**

Price, either design..... **\$7.85**

BIT KEYED FRONT DOOR LOCK Genuine Bronze

Escutcheons, knobs, bolts and all parts made of genuine wrought bronze. Reversible for right or left door. Furnished with three keys and screws finished to match lock sets. **Antique Copper or Lemon Brass Finishes.**

Price, either design..... **\$3.50**

BIT KEYED FRONT DOOR LOCK

Wrought steel plated lock set as described above except furnished with plated steel escutcheons, knobs, and all parts. **Antique Copper or Lemon Brass Finishes.**

Price, either design..... **\$1.85**

INSIDE DOOR LOCK SET Genuine Bronze

Escutcheons, knobs and all parts made of genuine wrought bronze. Reversible for right or left door. Furnished with one key and screws finished to match lock set. **Antique Copper or Lemon Brass Finishes.**

Price, either design..... **\$2.00**

INSIDE DOOR LOCK SET

Wrought steel plated as described above. Set furnished with plated steel escutcheon, knobs and all parts. **Antique Copper or Lemon Brass Finishes.**

Price, either design..... **75c**

PUSH PLATES FOR SWINGING DOORS

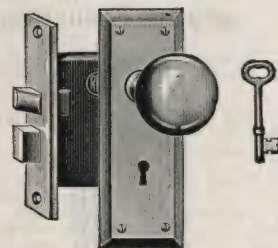
Genuine Wrought bronze. Furnished with screws to match. **Antique Copper or Lemon Brass Finishes.**

Price, either design, each..... **65c**

DOOR BELLS

Genuine wrought bronze plate, size 4x3½ nickel plated bell, metal gong. **Antique Copper or Lemon Brass Finishes.**

Price, either design..... **65c**

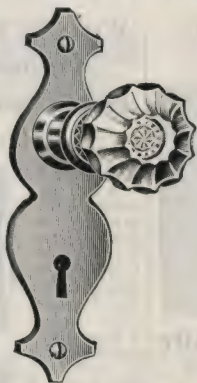


BENTON DESIGN
Inside Door Lock Set
4-B-3073



BENTON DESIGN
Push Plate
4-B-3074

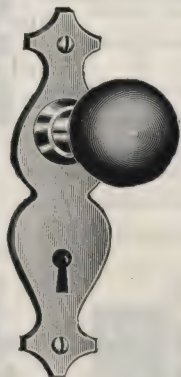
Salem Design



Inside Door Lock

Very beautifully made. Bit-Key design, escutcheons $6\frac{1}{2} \times 1\frac{1}{2}$ in. 2 glass knobs. 2 nicked keys. Reversible for right or left hand doors. Screws to match.

4-B-3171. Wrought steel... \$1.25
4-B-3172. Wrought brass... 2.00



Inside Door Lock

This attractive lock set is constructed the same as the set above with the exception of the knobs which are one piece metal.

4-B-3173. Wrought steel... \$1.15
4-B-3174. Wrought brass... 1.90

Larello Design Front Door Set



RESIDENCE HANDLES Thumb Latch Lock Set

To properly emphasize the architecture of many residence doors, a thumb latch lock set is required. The cylinder latch set above is made of cast bronze. Cylinder plate is $2\frac{1}{2} \times 3$ in. Grip is $5\frac{3}{4}$ in. long. Complete with 3 German silver keys and screws to match.

4-B-3131. Furnished with metal knob inside... \$9.75
4-B-3132. Furnished with glass knob inside... \$9.75

Onslow Design Front Door Set



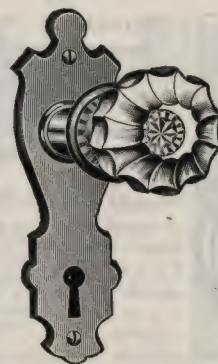
Add the
Finishing Touch
to Your
Front Entrance

RESIDENCE HANDLES Thumb Latch Lock Set

Colonial design cylinder thumb latch lock set. Very durable. New statuary shaded finish, oxidized and sanded with raised parts buffed bright. Cylinder plate is 2×3 in. Thumb piece plate 2×3 in., lower plate $1\frac{1}{2} \times 1\frac{1}{2}$ in. Length of grip $5\frac{3}{4}$ in. Furnished in wrought bronze with screws to match. Complete with 3 Yale pattern German silver keys.

4-B-3153. Furnished with metal knob inside... \$9.00
4-B-3154. Furnished with glass knob inside... \$9.00

Linden Design



Inside Door Lock

Bit-Key design lock set beautifully finished in wrought steel or brass. Escutcheons $5\frac{1}{2} \times 1\frac{1}{2}$ in. 2 glass knobs. 2 nickel keys. Reversible for right or left hand doors. Screws to match.

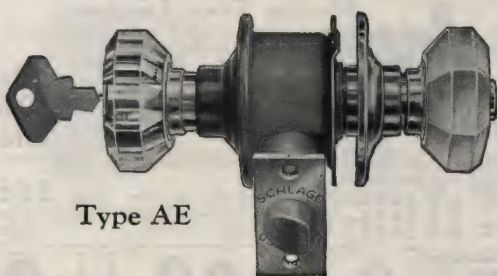
4-B-3081. Wrought steel... \$1.25
4-B-3082. Wrought brass... 2.00



Inside Door Lock

This set is identically the same as the lock set above with the exception of knobs which are one piece metal.

4-B-3083. Wrought steel... \$1.15
4-B-3084. Wrought brass... 1.90

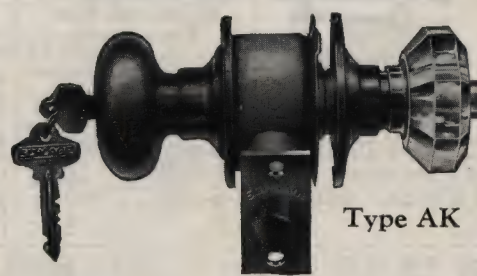


Type AE

4-B-3190

SCHLAGE BUTTON LOCKS

The Modern Lock
for
Modern Buildings



Type AK

4-B-3180

The Schlage button lock, though new, is not untried and is declared by leading architects and builders to be the greatest improvement in builders' hardware for the past decade. It does away entirely with inside keys, that are so easy to lose and hard to find. The door is locked from within by merely pressing the button in the knob and automatically unlocked by a turn of the knob. The artistic proportions give a dignified appearance to your doors yet the lock is simplicity itself. The Schlage lock is not installed in a mortise and is not anchored by screws to the wood of the door, but is held firmly in place between the escutcheon flange outside and the steel mounting plate inside, the two drawn together by machine screws so they grip the door like the jaws of a vise. A patented latch bolt connection automatically adapts the lock to fit any door $1\frac{1}{8}$ to $1\frac{1}{4}$ inches thick. All locks reversible for right or left hand doors.

The lock set above designed especially for bathroom doors. Operated by knob and button from inside or by emergency key outside. Compression springs thruout. All metal trims either solid brass or bronze, housing and all working parts cold-rolled, electro galvanized steel. Choice of metal, glass or opal knobs. Fits all doors $1\frac{1}{8}$ to $1\frac{1}{4}$ inches thick.

DESCRIPTION AND PRICES OF TYPE AE LOCKS

Number	Outside Knob	Inside Knob	Dull Brass or Sanded Finish	Dull Nickel
4-B-3190	Metal	Metal	\$2.70	\$3.00
4-B-3191	Metal	Glass	2.95	3.25
4-B-3192	Glass	Glass	3.20	3.50
4-B-3193	Glass	Metal	2.95	3.25
4-B-3194	Metal	Opal	3.15	3.55

Designed for use on doors where lock will be operated from both sides. Compression springs thruout. Operated by knob and button from within at all times. Lock released by turning inside knob or by key in outer knob. All metal trims. Solid brass or bronze. Housing and all working parts cold-rolled, electro galvanized steel. Choice of metal, glass or opal knobs. Fits all doors $1\frac{1}{8}$ to $1\frac{1}{4}$ inches thick.

DESCRIPTION AND PRICES OF TYPE AK LOCKS

Number	Outside Knob	Inside Knob	Dull Brass or Sanded Finish	Dull Nickel
4-B-3180	Metal	Metal	\$3.60	\$4.00
4-B-3181	Metal	Glass	3.85	4.25
4-B-3182	Glass	Glass	4.10	4.50
4-B-3183	Glass	Metal	3.85	4.25
4-B-3184	Metal	Opal	4.05	4.55

Big Savings in Building Hardware



Wrought Bronze Store Door Lock and Handles

4-B-3356. Wrought bronze Antique Copper finish. Size of lock 5x3½ inches, 5 pin tumbler cylinder non-pickable. Size of plate, 3¼x15 inches. 2 bar handle grips, one for either side of door. 3 nickel-plated keys. Reversible for right or left hand door. Complete with screws to match.

Price, per set... **\$8.50**

4-B-3357. Dull brass finish.

Price, per set... **\$8.50**

Wrought Bronze and Wrought Steel Store Door Lock and Handles

4-B-3360. Wrought steel Antique Copper finish. Size of lock 5x3½ inches. Size of plates 3¼x15 inches. 2 handles, one for either side of door; 3 nickel-plated flat steel keys. Reversible for right or left hand doors. Complete with screws to match.

Per set... **\$3.00**

4-B-3362. Same as above, except plates, handles, bolts, strike and trimmings are of genuine wrought bronze, with screws to match.

Price, per set... **\$5.00**

French Window or Screen Door Sets



Reversible Rim latch, size 2 x 2½ inches. Escutcheon, 1½x4½ ins. Can be set by slide knob, which

prevents opening from outside.

4-B-15012. Lemon Brass.

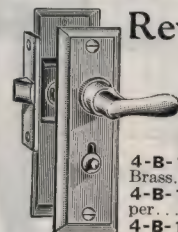
Price... **55c**

4-B-15013. Antique Copper.

Price... **55c**

4-B-15014. Sand Finish.

Price... **70c**



Reversible Benton Design

French Door or window. Reversible rim latch lock set. Escutcheons are 4½x1½ inches. Furnished with screws to match.

4-B-15101. Lemon Brass.

Price... **70c**

4-B-15102. Antique Copper.

Price... **70c**

4-B-15103. Sand Finish.

Price... **85c**

French Door Lock

Wrought Steel Bit-Key French door lock set. Escutcheons are 5x2 inches. Lock 4x2 inches. Knob 1½ inches. 2 nickel plated keys. Furnished with screws to match.

4-B-15104. Lemon Brass.

Price... **\$1.10**

4-B-15105. Antique Copper.

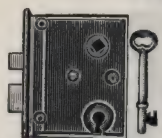
Price... **\$1.10**

4-B-15106. Sand Finish.

Price... **\$1.35**



Rim Locks



Upright Rim Knob Locks

Size, 4x3¼ inches, with stop, iron bolts and tinned malleable key.

4-B-3409. Lock only, without knob.

Each... **27c**

4-B-3411. With brown mineral knob.

Per set... **47c**

4-B-3413. With jet knob.

Per set... **47c**



Horizontal Rim Knob Lock

Size, 3¾x4¼ inches. With iron bolts, tinned malleable key.

4-B-3421. Lock only, without knob.

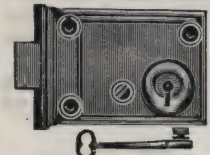
Each... **25c**

4-B-3423. With brown mineral knobs.

Per set... **45c**

4-B-3425. With jet knobs.

Per set... **45c**



Horizontal Rim Dead Lock

Size, 2x2¾ inches. Japanned iron case and escutcheons, iron key. Complete with screws.

4-B-3433. Lock only.

Each... **24c**



Horizontal Rim Knob Locks

Size, 3¾x4¼ inches. 3 brass bolts, nickel-plated steel key.

4-B-3427. Lock only, without knob.

Each... **60c**

4-B-3429. With brown mineral knob.

Each... **80c**

4-B-3431. With jet knob.

Per set... **80c**



Upright Rim Knob Lock

Size, 4x3¼ inches, 3 brass plated bolts, nickel-plated steel key.

4-B-3415. Lock only, without knob.

Each... **30c**

4-B-3417. With brown mineral knobs.

Per set... **50c**

4-B-3419. Black jet knob.

Per set... **50c**



Horizontal Rim Knob Latches

Size, 2½x3¾ in. Japanned case, iron bolt any hub, with screws reversible.

4-B-3443. Latch only without knobs.

Each... **34c**

4-B-3445. With brown mineral knobs.

Per set... **54c**

4-B-3447. With jet knobs.

Per set... **54c**

Door Push Plates

Size, 2¾x9¾ inches, finely finished with screws to match.

GENUINE BRONZE METAL

4-B-3583. Antique Copper finish.

Each... **40c**

4-B-3584. Old or Lemon Brass finish.

Each... **40c**

WROUGHT STEEL PLATED

4-B-3585. Antique Copper finish.

Each... **15c**

4-B-3586. Old or Lemon Brass finish.

Each... **15c**

Wrought Bronze Cylinder Store Door Lock and Handle

4-B-3363. Antique copper finish.

Size of lock, 5x3½ inches, 5-pin tumbler cylinder non-pickable. Size of plates, 3x12 inches. 2 handles, 1 for either side of door. 3 German silver keys. Complete with screws to match.

Price, per set... **\$9.50**



Mortise Door Locks

Japanned case, 3¾x3¼ inches, iron bolts, lacquered front and strike, tinned key, japanned escutcheon with screws.

4-B-3453. Locks only, without knobs.

Each... **35c**

4-B-3455. With brown mineral knobs.

Each... **55c**

4-B-3457. With jet knobs.

Each... **55c**

Japanned case, 3¾x3¼ inches. Brass front and bolts, plated strike, nickel-plated steel key, japanned escutcheon with screws.

4-B-3459. Locks only without knobs.

Each... **80c**

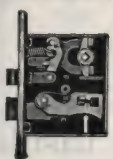
4-B-3461. With brown mineral knobs.

Per set... **\$1.00**

4-B-3463. With jet knobs.

Per set... **\$1.00**

An exceptionally strong lock. Japanned case 3¾x3¼ inches. Iron bolts, lacquered front and strikes. Nickel-plated key. Japanned escutcheons with screws.



Open Position

4-B-3462. Locks only without knobs.

Each... **50c**

4-B-3463. With brown mineral knobs.

Per set... **75c**

4-B-3464. With Jet knobs. Per set... **75c**

Mortise Door Latches

Japanned Iron Case, 1¼x3½ inches, iron bolts, front and strike.

4-B-3467. With brown mineral knobs. Each... **40c**

4-B-3469. With jet knobs. Per set... **40c**

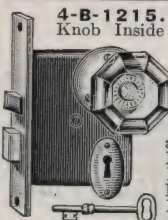
4-B-3465. Latch only. Per set... **20c**

Japanned Iron Cases, 1¼x3½ inches. Brass front, bolt and strike.

4-B-3471. Latch only without knobs. Each... **35c**

4-B-3473. With brown mineral knobs. Per set... **55c**

4-B-3475. With jet knobs. Per set... **55c**



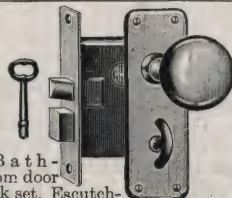
4-B-1215. Glass Knob Inside Lock Set, for bedroom doors. Mortise lock, escutcheon and plate. Finished in Lemon Brass or Nickel-plated.

Octagon shape. Crystal Glass Knob furnished with key and screws.

Price... **\$1.75**

4-B-1216. Lock set same as above, nickel-plated finish.

Price... **\$1.85**

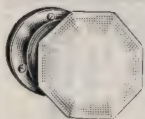


Bath-room Door Lock Set. Escutcheons 8x3 inches. Lock 5x3 inches. Nickel-plated key. Furnished with screws to match.

4-B-1221. Lemon Brass finish. Price... **\$1.75**

4-B-1222. Antique Copper finish. Price... **\$1.75**

4-B-1223. Sand finish. Price... **\$2.00**



4-B-1217. Glass Knob Set, Opal Finish. For bathroom doors, bronze metal shank and rosette. Rosette finished in Lemon Brass.

Price, Each... **\$1.50**

4-B-1218. Nickel-plated Knob Set as above.

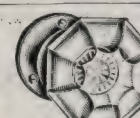
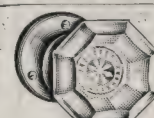
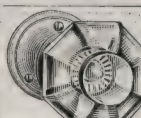
Price... **\$1.60**

Screen Door Check

Perfect acting door check and spring made for screen and storm doors. Designed for narrow door jamb space usually allowed between storm or screen doors and regular house doors. Made of highest grade malleable iron and brass tubing finished in black satin or brass bronze.

4-B-300. Door jamb and spring (will fit 2 in. space between doors). Each... **\$1.75**

4-B-200. Door check and spring, full enclosed style. For larger and heavier doors. Price each... **\$2.25**



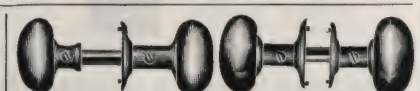
4-B-1209

4-B-1210

4-B-1211

Glass Door Knobs with bronze metal shank and rosette. 1½ inch plain spindle. Rosette finished in Antique Copper or Lemon Brass. Price, each... **95c**

Nickel-Plated Rosette... **\$1.05**



Rim Knobs Mortise Knobs

Japanned shanks and roses. Knobs 2½ inches in diameter with 5/16 inch spindles. Price includes one pair knobs, with connecting spindle. Mineral knobs are brown mottled; porcelain knobs white; jet knobs black.

4-B-3477. Mineral knobs for rim locks. Each... **20c**

4-B-3479. Porcelain knobs for rim locks. Each... **20c**

4-B-3481. Jet knobs for rim locks. Each... **20c**

4-B-3483. Mineral knobs for mortise locks. Each... **22c**

4-B-3485. Porcelain knobs for mortise locks. Each... **22c**

4-B-3487. Jet knobs for mortise locks. Each... **22c**

Every Needed Item in Select Builders' Hardware



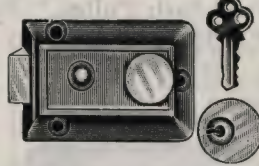
Bit-Key Night Latch

4-B-3440. Suitable for light doors or windows. Size $3\frac{1}{2} \times 2\frac{1}{2}$ inches with wrought steel bolt, escutcheon, knob and stop. 2 flat tinned keys. With screws.
Price, each.....\$1.00



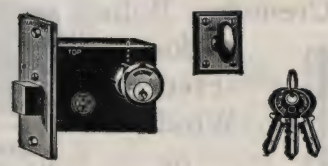
Cylinder Rim Night Latch

4-B-3442. Size $3\frac{3}{4} \times 2\frac{1}{2}$ inches. Wrought Bronze steel bolt, escutcheon, cylinder, knob and stop. 3 Yale pattern German silver keys. For doors up to 3 inches thick.
Price, each.....\$1.50



Cylinder Rim Night Latch

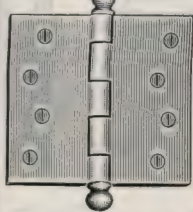
4-B-3489. A durable lock which affords the utmost security. Size, $3\frac{3}{4} \times 2\frac{1}{2}$ inches, with genuine bronze metal bolts, cylinder, escutcheon, knob and stop. 3 Yale pattern German silver keys, suitable for doors up to 3 inches thick.
Price.....\$1.75



Mortised Door Lock

4-B-3446. Mortised cylinder door lock. Very dependable and strongly made. Size $3\frac{3}{4} \times 2\frac{1}{2}$ inches. Wrought bronze steel bolt, escutcheon, cylinder, latch and stop. 3 Yale pattern German silver keys.
Price, each.....\$1.50

High Grade Electro-Plated Polished Wrought Steel Ball Tipped Butts



Tipped Butts. Guaranteed to be the best finished wrought steel butts manufactured. Heavy, highly polished and finely finished. Furnished with screws to match.

4-B-3501. Antique Copper, polished finish.

4-B-3503. Lemon Brass finish.

Inch.....2x2 53c
Per pr.....2x2 53c

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Per pr.....2x2 53c

Electro-Plated Planished Steel Butts



Heavy wrought steel, fast pin, finely finished, with screws to match.

4-B-3581. Antique Copper finish.

Inch.....2x2 53c
Per pr.....2x2 53c

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Per pr.....2x2 53c

Japanned Loose Pin Ball Tipped Steel



4-B-3577. Made of heavy steel, nicely Japanned. Screws not included.

Inch.....2x2 53c
Per pr.....2x2 53c

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Per pr.....2x2 53c

Narrow Fast Pin Wrought Steel Butts



4-B-3579. Plain, without screws. Strong, substantial butts. Made for all general purpose work. Plain finish.

Inch.....2x2 53c
Per pr.....2x2 53c

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Per pr.....2x2 53c

Electro-Plated Planished Ball Tipped Butts

Electro-Plated, Planished. Made of the same grade steel and generally sold as a polished butt. In every sense equal to the high grade butts, except not as finely finished. Furnished with screws to match.

4-B-3505. Antique Copper finish.

4-B-3507. Lemon Brass finish.

Inch.....2x2 53c
Per pr.....2x2 53c

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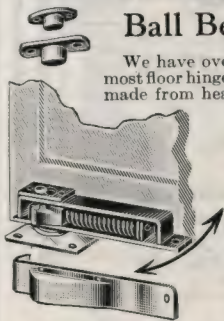
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Per pr.....2x2 53c

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Per pr.....2x2 53c

Inch.....2x2 53c
Per pr.....2x2 53c

Inch.....2x2 53c
Per pr.....2x2 53c

The Harris Double Acting Ball Bearing Floor Hinge



We have overcome the objectionable features of most floor hinges that rest on the surface of the floor, made from heavy wrought steel; the spring from the best oil tempered spring steel; the floor plate from steel. When in practical use the entire weight of the door is carried on hardened steel ball bearings set in hardened cups.

Choice of Four Finishes

4-B-3545. Antique Copper or

4-B-3547. Lemon Brass. 80c

4-B-3548. Sand Finish or

4-B-3549. Nickel-Plated Finish. 90c

Cabinet Hinges



For cabinets, china closets, etc. Wrought steel, beautifully finished, strong and durable. Fast pin. Size $2\frac{1}{2} \times 2$ inches. Packed with

Improved Window and Sash Hardware

Cremorne Bolts for French Windows or Large Casement Sash



Cast iron bolt specially adapted for French windows, or large casement sash and is furnished with universal strikes. Unless otherwise specified, will be furnished with rods for sash up to 8 feet high. This is the only bolt that will hold the sash in place and prevent warping.

4-B-15000. Antique Copper. Price each.....\$6.25

4-B-15001. Lemon Brass. Price each.....\$6.25

CAST IRON PLATED

4-B-15002. Antique Copper. Price each.....\$3.85

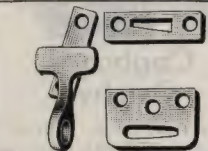
4-B-15003. Lemon Brass. Price each.....\$3.85



For Attic and Basement Sash

4-B-3619. For sash hinged at side. Set consists of one pair 2 1/2 inch wrought steel butts, one japanned steel sash fastener. With screws. Per set.....14c

4-B-3621. For sash hinged at top. Set consists of one pair 2 1/2 inch wrought steel butts, one japanned steel sash fastener, one hook and eye. With screws. Per set.....14c



Casement Window Fasteners

Cast iron plated; either right or left hand. Size of plate, 2 1/2 x 3/4 inch. Has a double strike for single sash opening in or pairs of sash opening out.

4-B-15006. Plate Metal. Lemon Brass finish. 15c

4-B-15007. Plate Metal. Antique Copper finish. 15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c



Steel Sash Pulley

10-B-3649. Electrically welded and cannot break. Requires no screws. Simply bore three holes and drive the pulley in. Diameter of wheel, 2 inches. Per dozen.....56c

Sash Weights

10-B-3643. Four weights are required to hold each window. Weights range from 3 to 9 pounds by half pounds. Heavier than 9 pounds graduate by pounds. Per pound.....2 1/4 c



Sash Cord

Made of special selected long fiber cotton, firmly braided. The strongest and most durable manufactured. Put up in bundles of 100 ft.

4-B-3647. No. 8, 3/4 inch diam. 95c

4-B-3645. No. 7, 1/2 inch diam. 90c

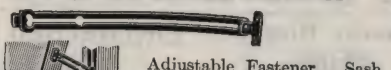


Sash Hanger

8c

4-B-2005. Storm Sash Hanger. Works like a hinge, one on each corner at top. Simplest contrivance ever devised. Per pair.....8c

Adjustable Sash Fastener



Adjustable Fastener. Sash swung out, when closed the extension bar turns in and lies flat against side rail of sash, forming a perfect lock, prevents rattling, holds sash tight.

4-B-2006. Per pair.....15c

4-B-2005 and 4-B-2006. Set of hangers and fasteners.....20c

Set of hangers and fasteners.....20c

Set of hangers and fasteners.....20c

Set of hangers and fasteners.....20c

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Set of hangers and fasteners.....20c



Spring Sash Balances

4-B-3637. Used instead of sash weights and cord. Easy to apply and do not require box frames. Springs are made of special tempered steel, heavily coppered to prevent rust. Warranted to retain their full strength. Set consists of four balances, two each for top and bottom sash.

Size No.	Weight of each Sash pounds	Hght. of each Sash ins.	Wght. per set of 4 Bal. lbs.	Price per Set of 4 Balances
6	4 to 6	34	6	\$2.10
8	6 to 8	34	6	2.30
10	8 to 10	34	7	2.55
12	10 to 12	44	7	2.75
14	12 to 14	44	7 1/2	3.00
16	14 to 16	44	7 1/2	3.20
18	16 to 18	48	9 1/2	3.40
20	18 to 20	48	10	3.55



Casement Window Adjuster. Made of plated steel rod, 3/8 inch diameter. This adjuster is for sash opening out and will hold the sash at any angle. Two finishes.

4-B-15004. Antique Copper. Opening out. Price each.....35c

4-B-15005. Lemon Brass. Opening out. Price each.....35c

4-B-15004 1/2. Opening in. Antique Copper.....65c

4-B-15005 1/2. Opening in. Lemon Brass.....65c

4-B-15005 1/2. Opening in. Lemon Brass.....65c

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4-B-15005 1/2. Opening in. Lemon Brass.....65c

Sliding Bolt Locks for French Windows and Doors

Rim Strike



Angle Strike



Universal Strike



Strongly made and very practical. Under ordinary conditions will last indefinitely. Bolt is 12 inches long securely held in place by two clamps, each 2 inches long. Bolt is securely locked by set screw at bottom. Choice of either the Rim, Angle or Universal strike cast bronze.

4-B-15036. Bolt complete with 2 clamps, set screw and strike. Price, each....\$6.75

Transom Lifters

36c

Used in connection with transoms hinged at top, bottom or pivoted in the middle. By means of this lifter, transoms can be opened or locked at any angle.

4-B-3519. Plain Coppered finish. Length, feet 3 4 5 Price, each. 36c 40c 45c

4-B-3521. Electro Bronze Plated. Length, feet 3 4 5 Price, each. 60c 70c 75c

Length, feet 3 4 5 Price, each. 60c 70c 75c

Length, feet 3 4 5 Price, each. 60c 70c 75c

Length, feet 3 4 5 Price, each. 60c 70c 75c

Length, feet 3 4 5 Price, each. 60c 70c 75c

Length, feet 3 4 5 Price, each. 60c 70c 75c

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Length, feet 3 4 5 Price, each. 60c 70c 75c

Length, feet 3 4 5 Price, each. 60c 70c 75c

Length, feet 3 4 5 Price, each. 60c 70c 75c

Transom Catches

Electro plated wrought steel. Bronze metal ring and screws to match. Size, 2 1/2 x 1 1/2 inch.

4-B-3553. Antique Copper. Each.....15c

4-B-3555. Lemon Brass finish. Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

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Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Each.....15c

Steel Sash Locks

Electro plated. The strongest and most durable sash lock made. Holds sash closely together, prevents rattling. Screws furnished.

4-B-3601. Antique Copper and Old or Lemon Brass. Each.....5c

4-B-3602. N. P.....6c

4-B-3603 1/2. Sand finish. 6c

4-B-3603 1/2. Sand finish. 6c

4-B-3603 1/2. Sand finish. 6c

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4-B-3603 1/2. Sand finish. 6c

General Hardware at Big Savings

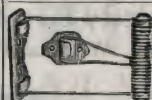


Screen Door Catch
4-B-3675. Vienna Bronze finish for doors $\frac{1}{2}$ to 1 1/2 inches thick. To be used on doors opening outwards. Furnished complete with stop, knobs and screws.
Per set..... 35c



Screen Door Sets

4-B-3673. Consists of one pair japanned back spring hinges. One steel door pull, one hook and eye, complete with screws.
Per set..... 20c



Warner Screen Door Hinges

4-B-3685. Made of heavy spring steel wire, copper plated.
Each..... 6c

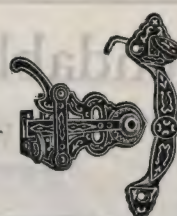


Screen Door Hinges

4-B-3679. Hold back spring hinges, the strongest and best manufactured. Japanned case. Screws not furnished.
Per pair..... 12c

Electro Plated Door Pull

4-B-3687. Wrought steel, Antique Copper finish. Strong, durable, and well made. Will give long and continued service. 4 1/2 ins. long.
Each..... 3c



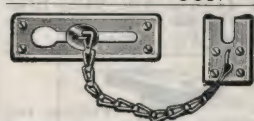
Ornamental Thumb Latches and Handles

4-B-3633. Bronze finish. For doors $\frac{1}{2}$ to 1 1/2 inches thick. Complete with screws.
Each..... 19c



Torrey's Ready Door Spring

4-B-3681. Steel Rod door spring. Furnished with a special wrench with each set for adjusting tension. Length, 39 inches.
Each..... 25c

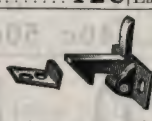


Safety Door Catch

4-B-1364. Wrought steel safety door catch with heavy link malleable chain. Antique Copper or Lemon Brass finish with screws to match. Price
per set..... 25c

Stop Screw and Washer

4-B-3657. Wrought steel washer. Antique Copper finish screw to match.
Price, per doz... 15c
4-B-3659. Lemon Brass finish. Per dozen... 15c



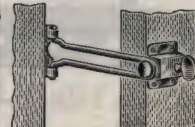
Cupboard Catches

4-B-3609. Iron Japanned finish. Screws not furnished.
Each..... 5c

Felt Weather Strips

4-B-3719. Made of durable black wool felt, 1/2 in. width for windows, 3/8 in. width for sides and top of door, 3/4 in. for bottom of door. Put up 50 ft. to a package.
Inches..... 1/2 3/8 3/4
Per foot..... 3 1/2c 4c 4 1/2c
Per package..... \$1.44 \$1.68 \$1.92

Safety Door Catch



4-B-1363. Safety Door Catch. Made of wrought steel, finished in Lemon Brass or Antique Copper. Complete with screws.
Each..... 60c

Shelf Supports

Copper plated iron with 1/4 in. pins. Wt., about 4 ounces.
4-B-3650. Price, per dozen..... 12c

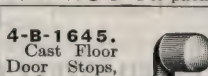


Hardwood Base Knobs

Rubber tipped. Well pointed screws. Nicely finished.
4-B-3572. Ea. 3c

Metal Base Knobs

Bronze plated. Extra long heavy screws. Heavy rubber tip. Length, 2 1/2 inches.
4-B-3573. Antique Copper. Each..... 5c
4-B-3574. Lemon Brass. Each..... 5c



4-B-1645. Cast Floor Door Stops

used to protect furniture or prevent door from striking radiator or wall. Antique Copper, Lemon Brass or Nickel plated finishes.
Each..... 12c

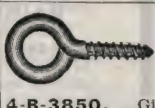
Spiral Door Springs

4-B-3683. Made from special grade highly tempered steel wire, fastened securely to the bracket and spring holder. Adjustable tension. Length, 10 inches.
Price, each..... 15c



Bright Braided Picture Wire

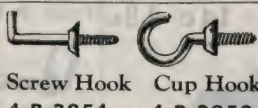
4-B-3839. Heavily Tinned. Coils guaranteed to contain full 75 feet.
Per coil..... 10c



Bright Wire Screw Eyes

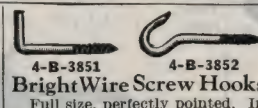
4-B-3850. Gimlet Pointed Screws. Perfectly formed eyes.

Size No.	Length Inches	Per Dozen
105	2	9c
108	1 1/2	8c
110	1 1/4	8c
112	1 1/2	8c
114	1	8c
214	1 1/2	8c



Screw Hook Cup Hook

4-B-3854. 4-B-3853. Polished Brass, Full Size. Either kind same price.
Size, In. Per Doz.
1/2 7c
3/4 8c
1 9c
1 1/4 10c
1 1/2 11c



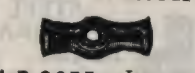
Bright Wire Screw Hooks

Length Inch	Straight Pattern Dozen	Bent Pattern Dozen
1 1/4	4c	4c
1 1/2	5c	5c
2	6c	6c
2 1/4	7c	7c
3	13c	9c
3 1/2	17c	14c

Rubber Strips

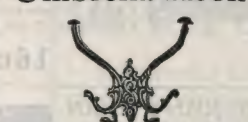
4-B-3717. Seals cracks around windows and doors; made of the best grade rubber, one-half inch wide for windows, three-fourths inch wide for tops and sides of doors, one inch wide for bottom of doors. Put up in packages containing fifty feet.
Inches... 1/2 3/4 1
Per ft... 3 1/2c 4c 5 1/2c
Per pkg. \$1.45 \$1.90 \$2.40

Door Button

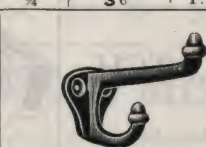


4-B-3655. Japanned finish.
Length, 1 1/2 inches. Per dozen..... 8c
Length, 2 inches. Per dozen..... 10c
4-B-3656. Aluminum, 1 1/4 inches. 18c Doz. No screws.

Coat, Hat and Umbrella Hook

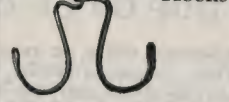


4-B-3665. Double pattern. Height, 9 inches. Projects from wall 4 1/2 inches. Spread, 10 inches.
Each..... 60c



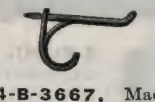
4-B-3671. Heavy iron hooks. Suitable for schools and public coat rooms. Japanned finish. Strong and durable. Length, 3 inches.
Per dozen..... 59c

Closet and Wardrobe Hooks



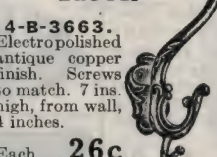
4-B-3669. Made from heavy copper plated plain steel wire. Will not rust. Gimlet pointed screws. Length, 3 inches.
Per dozen..... 15c

Coat and Hat Hook

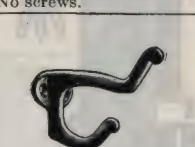


4-B-3667. Made of copper plated spring steel wire. Gimlet pointed screws. Length, 3 inches.
Per dozen..... 12c

Coat, Hat and Umbrella Hook



4-B-3663. Electropolished antique copper finish. Screws to match. 7 ins. high, from wall, 4 inches.
Each..... 26c



4-B-3672. Exceptionally strong, heavy iron Japanned finish hooks. For use where a heavy hook is needed.
Each..... 8c

Roller Bearing Truck Casters

4-B-3805. For Trucks, Boxes, Chests or any other purpose where a strong, heavy caster is required.

Size of Wheel	Size of Plate	Per Set of Four	Size of Wheel	Size of Plate	Per Set of Four
1 1/4	1 1/2x2	\$0.48	2 1/2	2 1/2x3 1/2	\$1.00
1 1/2	1 1/2x2	.60	3	3x4 1/2	1.32
1 3/4	1 1/2x2 1/4	.85	3 1/2	3 1/2x4 1/2	1.98

Box or Truck Casters

4-B-3801. Heavy iron stationary box or truck casters. Strong and substantial. Price does not include screws.
3-inch Wheel. Each. 50c
4-inch Wheel. Each. 60c

Swivel Iron Box or Truck Casters

4-B-3803. 3-inch Wheel. Each. 38c
4-inch Wheel. Each. 50c

Stove or Furniture Casters

Heavy stoves easily moved around the house with these casters. Heavy enough for other furniture. Can be attached to a box or platform.
4-B-3829. Price, per set of 4. \$2.00

Philadelphia Pattern Furniture Casters

4-B-3828. Furniture Casters, Philadelphia Pattern. 1/2-inch bronzed iron wheels. Strong and durable.
Per set of 4..... 7c

Anti-Friction Roller Bearing Casters

Revolves upon a Series of Steel Rollers or Discs. Saves wear and tear on carpets; does not mar the floors.
Size of Wheel, Inches Set of Four
4-B-3811 1 1/2 \$0.48
4-B-3812 1 3/4 .60
4-B-3813 1 1/2 .77
4-B-3814 1 1/2 1.05

"Around the Corner"

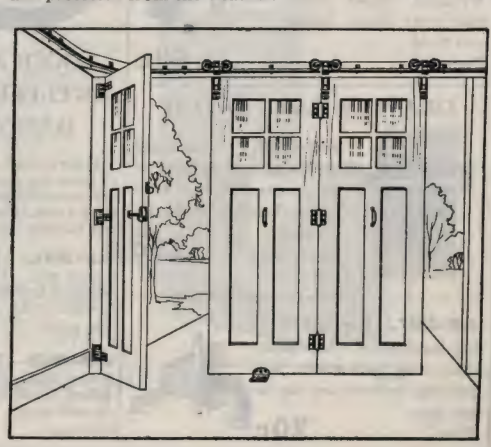
The two joined doors as shown in illustration are suspended by 3 swivel hangers, each equipped with two wheels which run on a guide track. Single door swings entirely out of opening, allowing the other two doors to slide past.

\$6.75

Set is for an opening 8 ft. square and includes the following items:
1-6 foot Braced Rail for sidewall.
1-8 foot Braced Rail for over door opening.
1-4 foot Braced Rail curved (27 inch Radius).
3-Swivel Hangers.
1 1/2 pair Garage Door Hinges.
1 1/2 pair 4x4 Jap Butts.
2-Door Pulls.
1-Latch.
1-Adjustable Floor Guide (with creosote blocks for securing into cement).
1 pair Jap Padlock Eyes. Complete instructions with each set.
4-B-8030. "Around the Corner" Garage door set, Complete.... \$6.75

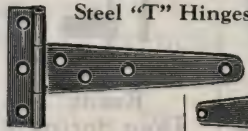
Garage Door Set

The hangers are adjustable, in case of swelling or raising of cement floor. All hardware is hung on inside of building and protected from the weather.



Dependable Hardware Priced Very Low

WROUGHT LIGHT Steel "T" Hinges



4-B-3927.

Size, inches. . . . 3 4
Price, per pair. .6c 9c
Size, ins. 5 6 8
Price,
per pair. 11c 12c 17c

Hinges Wrought Steel, Standard Size, Strictly First Quality

Size given is measurement from joint to end of hinge. Without screws.

LIGHT WROUGHT STEEL STRAP HINGES

4-B-3929. Light wrought Steel strap Hinges. Size given is length from joint to end of hinge.
Size, inches. . . . 3 4 5 6
Takes Screw No. 6 7 8 9
Price, per pair. 7c 9c 10c 13c

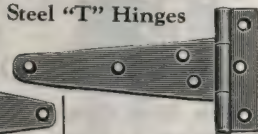
SCREW STRAP HINGES

4-B-3933. Wrought steel Screw Strap Hinges. Each pair requires two $\frac{3}{8}$ -inch and four $\frac{1}{4}$ -inch bolts to put them on. Bolts are not included at prices quoted.
Size, inches. . . . 10 12 14
Price, per pair. 40c 50c 64c

HEAVY WROUGHT STEEL STRAP HINGES

4-B-3937. Heavy wrought Steel Strap Hinges. Size given is length from joint to end of hinge.
Size, inches. . . . 6 8 10 12 14
Screw No. 10 12 14 16
Price, pair. 17c 27c 44c 65c 86c

WROUGHT HEAVY Steel "T" Hinges



4-B-3909.

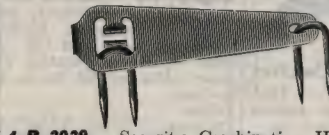
Size. 6 8
Pair. 14c 20c
Extra Heavy "T"
Hinges.
4-B-3910.
Size, inches. . . . 6 in. 8 in. 10 in. 12 in.
20c 30c 50c 72c
Pr. Pr. Pr. Pr.



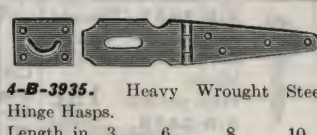
BARN DOOR BOLT

4-B-3907.

Heavy pattern, suitable for stable and out-houses. Length, 8 inches.
Price, each. 38c



4-B-3939. Security Combination Hook and Hasp. Wrought Steel. Length, 8 ins.
Each. 8c



4-B-3935. Heavy Wrought Steel Hinge Hasps.
Length, in. 3 6 8 10
Each. 6c 10c 14c 22c



STAIR RAIL BRACKETS

Projects two inches from wall to center of rail. These brackets are used to support hand railing.

4-B-15022.

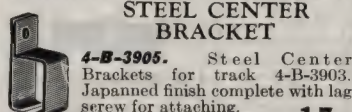
Copper bronze finish. Each. . . 15c



BARN DOOR PULLS

4-B-3963.

Extra heavy cast iron.
Each. 10c



STEEL CENTER BRACKET

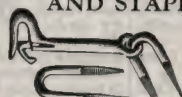
4-B-3905. Steel Center Brackets for track 4-B-3903. Japanned finish complete with lag screw for attaching.
Price, each. 17c

YANKEE DOOR CATCH



4-B-3915. For holding open swinging doors. Made of cast iron, japanned.
Each. 9c

TINNED SAFETY GATE HOOKS AND STAPLES



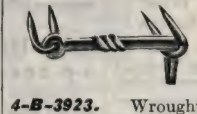
4-B-3967. Length, 4 and 6 inches.
Price, each. 14c 18c



4-B-3913. Heavy wrought steel hasp with double hook and staples.
Length, inches. . . . 6 8 10
Price, each. 3c 4c 5c



4-B-3925. Heavy polished Wire Hooks and Eyes.
Inches
Length 1 1/2 2 3 4
Each. 2c 2c 2c 2 1/2c
Dozen. 9c 11c 15c 24c



4-B-3923. Wrought Hooks and Staples.
Inches
Length. 4 6
Price, per doz. . . . 40c 60c
Price, each. 4c 6c

PRESSED STEEL BRACKET

PER PAIR 10c

4-B-3451. Strong and unbreakable, Japanned finished without screws.
Size, inches. . . . 4x5 6x8 7x9
Price, per pair. . . 10c 17c 22c
Size, inches. . . . 8x10 10x12 12x14
Price, per pair. . . 23c 33c 50c



GARAGE DOOR LOCK

4-B-3967.

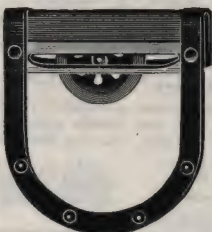
Wrought steel finish. Thumb latch cylinder door lock set. Handle is 7 in. long over all. 3 Yale type nickel plated keys. For doors up to 3 inches thick.
Price, per set. . . \$3.00



BARN DOOR LATCH



4-B-3951. Automatic sliding or swinging door latch with attachment for lock. Strong and durable. The latch can be thrown back, leaving the edge of door clear; has inside latch and pull. Price, each. 40c



LOOSE AXLE ANTI-FRICTION HANGERS

Guaranteed not to bind or jump the track. Wheels are mounted on hardened steel axles. Our prices do not include bolts.

4-B-3941. For doors 6 foot run. Diameter of wheel, 3 inches. Requires $\frac{1}{8}$ -inch bolts.
Per pair. \$1.30

4-B-3943. For doors 8-foot run. Diameter of wheel, 4 inches. Requires $\frac{1}{8}$ -inch bolts.
Per pair. \$1.55

BARN DOOR HANGERS

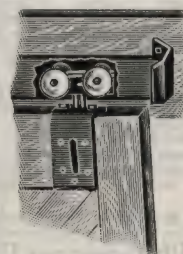


ANTI-FRICTION ROLLER BEARING BARN DOOR HANGERS

Made entirely of steel except the wheel. The axle is of hardened steel. Prices do not include bolts.

4-B-3917. Size of wheel 3 1/2 inches. For small and medium size doors.
Per pair. \$1.25

4-B-3919. Size of wheel 4 inches. Suitable for the largest size doors.
Per pair. \$1.50

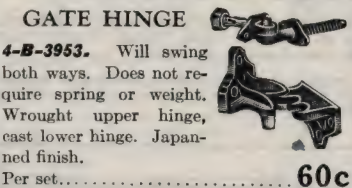


ROLLER BEARING TROLLEY HANGERS

Wheels run inside of hollow steel track. Can not bind or jump the track. Suitable for doors 1 1/2 to 2 1/4 inches thick. A set consists of two hangers, two end brackets and one center bracket. Complete with screws and bolts.

4-B-3901. Price per set, complete without track. \$1.90

4-B-3903. Trolley track for above hangers, brackets not included. Lengths, 4, 5, 6, 8, and 10 feet.
Price, per foot. 18c



GATE HINGE

4-B-3953. Will swing both ways. Does not require spring or weight. Wrought upper hinge, cast lower hinge. Japanned finish.
Per set. 60c

GRAVITY GATE LATCH



4-B-3959. Overcomes shrinking and sagging of gate posts. Made of steel and malleable iron. Easily applied.
Price, each. 25c

4-B-3957. For right or left hand gates. Also gates that swing both ways. Adjustable to meet any sag in the gate.
Each. 20c



HINGE JOINT BARN DOOR HANGERS

4-B-3921. Hinge joint makes it possible to swing the door in or out. Provided with a guard, making it impossible to jump the track. Has chilled roller bearings. Wheel, axles and bearings are fully protected from the weather.
Price, per pair. 95c

STEEL BARN DOOR TRACK



4-B-3947. Strong and rigid. Suitable for any ordinary door. Size, $\frac{1}{2}$ x 1 inch. Lengths, 4, 6, 8 and 10 feet.
Price, per foot. 9c

EXTRA HEAVY TRACK

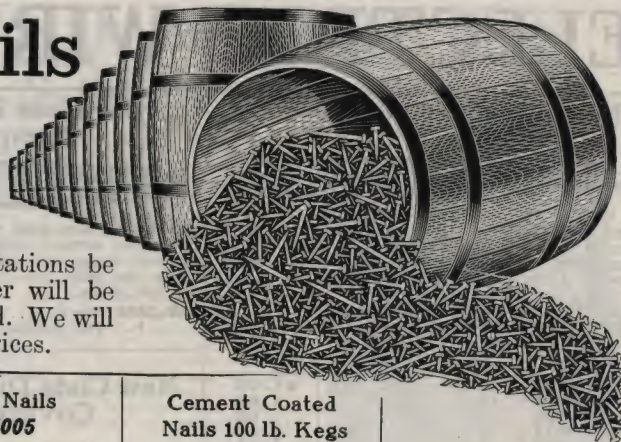


4-B-3949. For use with hinge joint or other styles of barn door hangers. Made of steel. Sizes, 1 1/2 x 3/4 inch. Comes in lengths, 4, 6, 8, and 10 feet.
Price, per foot. 10c

Standard Wire Nails

Full Length—All Sizes

These wire nails are regular standard stock, high grade and full length. The prices below are figured from the latest quotations received by us at the time this book was printed. The present uncertain conditions of the nail market necessitate that all our quotations be made subject to change without notice. Your order will be shipped at prices which prevail at the time it is received. We will see that you get every possible benefit of a decline in prices.



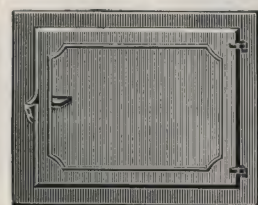
Common Wire Nails 4-B-4001			Finishing Nails 4-B-4003			Casing Nails 4-B-4005			Cement Coated Nails 100 lb. Kegs 4-B-4059			Standard Nail Sizes and Lengths in Inches		
Size	Per Keg	Per Lb.	Size	Per Keg	Per Lb.	Size	Per Keg	Per Lb.	Size	Per Keg	Per Lb.	Length,	Diam.	
2d....\$5.40	6c		2d.....\$6.00	6c		2d.....\$5.45	6c		3d....\$5.65	6c		Size	Ins.	Ins.
3d.... 4.90			3d..... 5.35			3d..... 4.95			4d.... 5.30			60d	6	9/32
4d.... 4.55			4d..... 5.20			4d..... 4.80			6d.... 4.90			40d	5	7/32
6d.... 4.35			6d..... 4.55			6d..... 4.45			8d.... 4.50			30d	4½	13/64
8d.... 4.25			8d..... 4.40			8d..... 4.35			10d... 4.40			20d	4	3/16
10d... 4.15			10d.... 4.30			10d.... 4.25			16d... 4.20			10d	3	5/32
12d... 4.10			12d.... 4.25			12d.... 4.20			20-60d... 4.10			8d	2½	5/32
16d... 4.05			16d.... 4.20			16d.... 4.15						6d	2	1/8
20-60d... 4.00			20d.... 4.10			Larger... 4.05						4d	1½	1/8
ROOFING NAILS														
Blued Lathe 4-B-4009			4-B-4060. Bright Large Head Barbed Roofing Nails, 7/8-inch, No. 10.... \$7.00, Keg— 8c, Lb.			Galvanized Shingle Nails 4-B-4013			4-B-4013			4-B-4013		
Size	Per Keg	Per Lb.	Size	Per Keg	Per Lb.	Size	Per Keg	Per Lb.	Size	Per Keg	Per Lb.	Size	Per Keg	Per Lb.
3d.....\$5.70	6c		4-B-4061. Bright Large Head Barbed Roofing Nails, 1¼-inch, No. 10... \$6.80, Keg— 8c, Lb.	6c		3d.....\$7.30	8c		3d.....\$7.30	8c		3d	1¼	3/32
			4-B-4062. Galvanized Large Head Barbed Roofing Nails, ¾-inch, No. 10... \$9.00, Keg—10c, Lb.			4d..... 7.10			4d..... 7.10			2d	1	3/32

Steel Wire Brads 4-B-4017. Put up in 1 pound packages.								Slim Wire Nails 4-B-4619. Put up in 1 pound packages.						
Length, inches.....½	5/8	¾	7/8	1	1¼	1½		Length, inches.....¾	7/8	1	1¼	1½		
Gauge wire.....19	18	18	17	16	15	15		Gauge wire.....18	17	16	15	15		
Price, per pound....35c	25c	23c	20c	17c	15c	14c		Price, per pound.....23c	20c	17c	15c	14c		

100 lbs. of New Mixed 3d to 40d Wire Nails \$1⁸⁵

A splendid assortment of brand new wire nails in the sizes that you use every day. Indispensable about the home, workshop and farm. The same quantities bought at retail would cost you double this price. They always come in handy. Don't forget to include this bargain with your order.

4-B-4055. 100-lb. keg of mixed nails, 3d to 40d, price.....\$1.85



Ash Pit Doors

\$1⁰⁰
and Up

17-B-26. These ash pit doors are made of extra heavy cast iron, easily fitted and absolutely tight. Japanned.

	Opening Size	Price
No. 1.....	8x 8	\$1.00
No. 3.....	10x12	1.50
No. 5.....	12x15	2.50

Coal Chutes

\$10⁰⁰

These heavily constructed steel chutes are designed to be placed in the cellar wall the same as a window. They serve as a substantial protection to the building in which they are and are a convenient opening for coal, wood or other material which is to be taken into the basement.

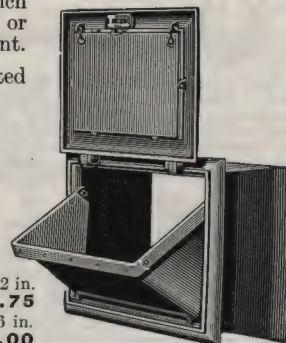
These chutes are made of heavy steel, all parts painted before shipment, door equipped with patented lock which prevents accidental closing. Chutes equipped with hoppers are so built that hopper can be removed if desired.

No. 17-B-151. Size 16 in. high x 24 in. wide for walls up to 12 in. Price with Hopper...\$10.00

No. 17-B-153. Size 22 in. high x 32 in. wide for walls up to 16 in. Price with Hopper...\$14.65

No. 17-B-154. Size 16 in. high x 24 in. wide for walls up to 12 in. Price, without Hopper.....\$8.75

No. 17-B-155. Size 22 in. high x 32 in. wide for walls up to 16 in. Price, without Hopper.....\$13.00



ELECTRIC WIRING MATERIAL

New Code Rubber Covered Copper Wire, Single Braid



Used for open wiring on cleats, tubes or knobs and for holding and loom wirings. Each solid strand conductor copper wire insulated with rubber compound around which is single saturated cotton braid. Unbroken coils of 500 feet bear underwriter's inspection tag. Weights per 100 feet, about 3 1/2 to 19 lbs., according to size.

Article Number	Size	100 Feet
4-B-3010	14	\$1.00
4-B-3011	12	1.50
4-B-3012	10	1.80
4-B-3013	8	2.70
4-B-3014	6	4.50

New Code Twisted Pair Cotton Lamp Cord



Twisted New Code Lamp cord consisting of 2 fine copper conductor strands twisted together. It is covered with fine quality yellow and green interwoven cotton. Made to be used for drop lights, extensions and general small work. Shipping weights per 100 feet, about 6 1/2 to 13 lbs., according to size.

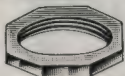
Article Number	Size	100 Feet
4-B-3023	18	\$1.50
4-B-3024	16	2.25
4-B-3025	14	3.00

Weather Proof Copper Wire



Made for outside work, being constructed to stand weather and severe use. Conductor rubber covered wire. Consists of a solid copper wire conductor covered with three layers of waterproof saturated cotton braid insulating material. Shipping weights per 100 feet about 3 to 17 lbs., according to size.

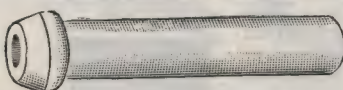
Article Number	Size	100 Feet
4-B-3030	14	\$1.00
4-B-3031	12	1.50
4-B-3032	10	1.75
4-B-3033	8	2.25
4-B-3034	6	3.35
4-B-3035	4	5.00



Conduit Locknuts

Article Number	Size	Shp. Wt. Each	Price Each	Per 100
4-B-3042	1/2 in.	1/2 oz.	1 c	\$0.80
4-B-3043	3/4 in.	3/4 oz.	1 1/2 c	1.20
4-B-3043 1/2	1 in.	1 oz.	2 1/2 c	2.15

Porcelain Tubes



Used where wire is drawn through partition or joists. Made of porcelain. Takes single braid rubber covered or waterproof wire. Inside diameter, 3/8 inch. Will take 14, 12 or 10 wire. Inside diameter, 3/8 inch, will take 8, 6 or 4 wire. Length below is measurement from underhead to end.

Article Number	Lgth.	Inside Diam.	Per 100	Per 100
4-B-3050	3 in.	3/8 in.	7 1/2 lbs.	\$0.80
4-B-3051	4 in.	3/8 in.	9 lbs.	.90
4-B-3052	6 in.	3/8 in.	13 lbs.	1.40
4-B-3053	8 in.	3/8 in.	15 1/2 lbs.	2.70
4-B-3054	3 in.	1/2 in.	11 lbs.	1.00
4-B-3055	4 in.	1/2 in.	13 1/2 lbs.	1.20
4-B-3056	6 in.	1/2 in.	19 1/2 lbs.	1.70

New Code Parallel Silk Lamp Cord



Insulated lamp cord consisting of two parallel conductors covered with braided silk. Used for portable lamps and extension lights in homes. Large size only, No. 18. Shipping weight, per 100 feet, 5 lbs.

4-B-3020	Per foot.....	3c
	Per 100 feet.....	\$2.50

New Code Duplex Rubber Covered Wire



Used for wiring in metallic conduit. Consists of 2 solid conductors individually insulated with rubber compound over which is placed one layer of saturated cotton braid. Shipping weights per 100 feet, 6 1/4 to 13 lbs., according to size.

4-B-3026	Size 14.	
Price per 100 feet.....	\$2.50	
4-B-3027	Size 12.	
Price per 100 feet.....	3.20	
4-B-3028	Size 10.	
Price per 100 feet.....	4.20	

(BX) Flexible Armored Cable



A decided improvement over knob and tube wiring. Consists of 2 or 3 solid copper conductors, rubber insulated, with 2 coverings of cotton braid, around which is placed armored flexible steel jacket. Approved by fire underwriters in all localities for use in finished buildings. More easily and quickly installed than iron conduit. Also used for electrical driven machinery where cables are exposed. Shipping weight per 100 feet, 44 to 60 lbs., according to size.

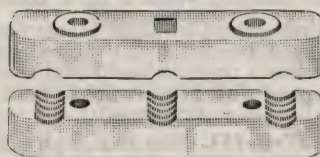
Article Number	No. of Conduits	Gauge B. & S.	Per Foot	100 Feet
4-B-3036	2	14	6c	\$5.50
4-B-3037	2	12	9c	8.50
4-B-3038	3	14	9c	8.50



Conduit Bushings

Article Number	Size	Shp. Wt. Each	Price Each	Per 100
4-B-3044	1/2 in.	1 oz.	2c	\$1.80
4-B-3045	3/4 in.	1 1/2 oz.	3c	2.70
4-B-3046	1 in.	2 oz.	5c	4.90

Unglazed Porcelain Cleats



To be used with either 14, 12 or 10 wire. 2 wire cleats have 2 1/2-inch wire centers; 3 wire cleats have 1 1/2-inch wire centers. Weight per dozen, about 3 lbs.

4-B-3057	Two wire.	Per 100.....	\$1.75
4-B-3058	Three wire.	Per 100.....	1.85

New Code Electric Fixture Wire



Designed for wiring electric fixtures, lamps, brackets, chandeliers and short wiring circuits. Single solid copper conductor insulated with rubber compound over which is saturated cotton braid. Shipping weights per 100 feet as follows: No. 18, 3 1/4 lbs.; No. 16, 4 1/2 lbs.

Article Number	Size	100 Feet
4-B-3021	18	75c
4-B-3022	16	93c

New Code Reinforced Portable Lamp Cord



Used for portable extension lights, lamps and electrically operated household equipment. Made to stand continuous hard wear. Made up of twisted lamp cord, over which is placed rubber compound and outside braid of mercerized cotton.

Article Number	Size	100 Feet
4-B-3029	18	\$3.60

Rigid Iron Conduit



Designed to give greatest safety. Initial cost is more than knob and tube wiring, but is recommended if you want highest grade everlasting work. Specified for bringing wires to house from main line regardless of interior wiring. New, clean stock coated with black enamel. Resists weather, acid and alkali. Constructed for easy bending without injury to flexible enamel. 10 feet lengths only, threaded two ends with coupling on one end.

Article Number	Size	Shp. Wt. per 100 Ft.	Price Per 10 Foot Length
4-B-3039	1/2 in.	80	\$0.85
4-B-3040	3/4 in.	100	1.05
4-B-3041	1 in.	150	1.50



Conduit Straps

Article Number	For Pipe	Per Pound
4-B-3047	1/2 in.	12c
4-B-3048	3/4 in.	12c
4-B-3049	1 in.	12c

Assembled "Nailit" Knobs



4-B-3060

Latest improved and assembled split knob consists of complete new code knob with nail ready to fasten in position. Simply insert wire and drive into place. Big time saver. Diameter, 1 3/4 inch; takes 10, 12 or 14 wire. Shipping wt., per 100, 10 lbs.

Per 100..... \$1.75

Round Porcelain Knobs

4-B-3061

Solid porcelain knob. New Code No. 5 1/2. Height, 1 1/4 in. Diameter, 1 1/4 in. 1/4 in. hole 1/4 in. groove. Shipping weight per 100, about 12 lbs.

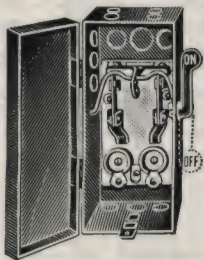
Per 100..... \$1.50

4-B-3062 New Code No. 4 porcelain knob. Height 1 1/4 in. Diameter, 1 1/4 in. Hole and groove, 1/4 in. Weight per 100, 20 lbs.

Per 100..... \$2.50

LATEST IMPROVED APPARATUS

Outside Operated Entrance Switch



This switch is similar to our No. 4-B-3063 safety entrance switch, but is not made with the safety latch feature. Consists of a two pole, 125 volt, 30 ampere, porcelain base plug fuse, entrance switch. Size of steel box, 8 $\frac{1}{2}$ x4 $\frac{1}{2}$ x3 $\frac{1}{4}$ inches. Box is fitted with lever on the outside. It is so constructed that you can secure privacy and protect against theft of fuse plugs by using a padlock. It is made with the knock outs for $\frac{1}{2}$ or $\frac{3}{4}$ inch conduit, loom or B. X. cable. Convenient holes for mounting it with screws. Finished in black enamel. Shipping weight, about 6 $\frac{1}{4}$ lbs.

4-B-4012. Price, each, complete..... \$1.65



Cannot be opened with current on.

Safety Entrance Switch

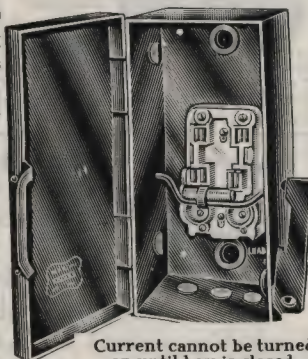
Inclosed type outside operated safety switch, consisting of porcelain base, 250 volt, 30 ampere block fuse switch set in steel box and equipped with outside lever turning current on or off. Eliminates danger of shock. Operated with safety in total darkness. Box cannot be opened until current is turned off and current cannot be turned on until box is closed. For privacy padlock can be used, and only those with keys will then have access to your electric control, preventing theft of fuse plugs. Improved switch brakes tacked cleanly. Plenty of wiring subjects knock outs for $\frac{1}{2}$ or $\frac{3}{4}$ inch conduit. Armored cable connectors and porcelain bushings for use with loom.

Black enamel finish. For mountings with screws.

4-B-3063. Safety entrance switch with two-pole, 135 volt, 30 ampere plug fuse switch. Size of box, 10x5x3 $\frac{1}{4}$ inches. Weight, about 6 lbs.

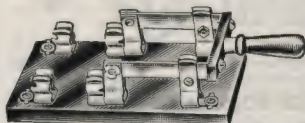
Each..... \$2.05

4-B-3064. Safety entrance switch with 3 pole, 125 volt, 30 ampere plug fuse switch. Size, 9 $\frac{1}{2}$ x7x3 $\frac{1}{4}$ inches. Weight, about 9 lbs. Each..... \$3.00



Current cannot be turned on until box is closed.

Slate Base Entrance Switches

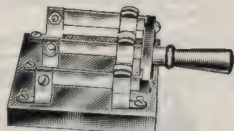


Used for main line cut-out switch where other wires enter houses or small plants. Two pole switch, size 3 $\frac{1}{2}$ x6 $\frac{1}{2}$ x1 $\frac{1}{2}$ inches. 3 pole switch, size 3x6 $\frac{1}{2}$ x1 $\frac{1}{2}$ inches. Capacity, 250 volts, 30 amperes.

4-B-3065. Slate base switch, 2 pole for cartridge fuse. Each..... \$2.45

4-B-3065 1/2. 3 Pole Switch for cartridge fuses. Price, each..... \$3.70

Slate Base Cutout Switches



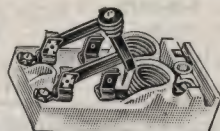
New Code switch with blades of fine copper. Capacity 250 volts, 30 amperes.

4-B-3066. Single pole switch. Size over all, 2x6x1 $\frac{1}{2}$ inches. Weight, 12 oz. Each..... 45c

4-B-3067. Two pole switch. Size over all, 3 $\frac{1}{2}$ x4x1 $\frac{1}{2}$ inches. Weight, 1 lb. Each..... 56c

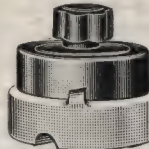
4-B-3068. Three pole switch. Size of base, 3 $\frac{3}{4}$ x5 $\frac{1}{2}$ x1 $\frac{1}{2}$ inches. Weight 1 $\frac{1}{2}$ lbs. Each..... \$1.18

Panel Box Switch



4-B-3069. Made for use in switch box where 2 circuits are to be controlled with separate switch. Capacity 125 volt, 30 amperes. Weight 24 oz. Base size 3x6x1 $\frac{1}{2}$ in. Each..... 70c

Turn-Button Snap Switches



4-B-3070. Single pole and 3-way switches; can be arranged to control light from two different points. 125 volt, 5 ampere, or 250 volt, 3 ampere. Weight each about 4 ounces. Single pole, non-indicating. Each..... 27c

Single pole, indicating. Each..... 32c

125 volt, 3 ampere, or 250 volt, 1 ampere. Each..... 37c

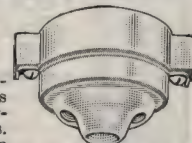
4-B-3071. 3-way. Each..... 87c

125 volt, 10 ampere, or 250 volt, 5 ampere. Each..... 29c

4-B-3072. Single pole, non-indicating. Each..... 29c

4-B-3073. Three-way. Each..... 89c

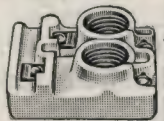
Cleat Rosette Porcelain



4-B-3089. For installing drop lights in cleat wiring systems. Simply fasten base in position and insert wire. Cap turns on base. Weight, each, 8 oz. Each..... 20c

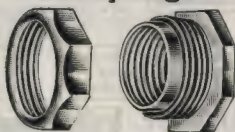
10 for..... \$1.95

Two Wire Single Branch



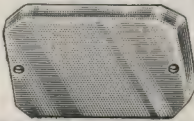
4-B-3074. 2 wire single branch plug cut out, 125 volts, 30 amperes, base size, 3x3 $\frac{1}{2}$ x1 $\frac{1}{2}$ inches. Weight, about 13 oz. Each..... 25c

Conduit Box Couplings

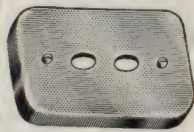


4-B-3090. Made to be used with conduit box bodies, with which they complete fitting seam to a unilet or conduit. Weight, 3 oz. Each..... 10c

Covers for Deep Body Type



4-B-3093. Blank cover to be used when box is being used as pull or junction box only. Weight, 4 oz. Each..... 10c



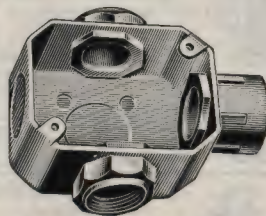
4-B-3094. Hole cover; a face plate when used with 2 button push switch. Weight, 4 oz. Each..... 12c

Deep Type



4-B-3092 1/2. Designed to receive all standard flush switches, receptacles, etc., which are mounted in this body same as in any ordinary switch box. 5 knock outs on side and bottom. Size, 3 $\frac{1}{2}$ x2 $\frac{1}{2}$ x1 $\frac{1}{2}$ ins. Supplied with screws for attaching covers. Weight, 8 oz. Each..... 30c

Shallow Type



4-B-3092. Made for all general classes of work. Used for junction types and drop cord work. Takes all types of wiring devices (flush type, receptacle switches, etc.). 5 knock-outs in sides and bottom. Size, 2 $\frac{7}{8}$ x3 $\frac{1}{4}$ x1 $\frac{1}{2}$ ins. Screws for attaching covers furnished. Weight, 8 oz. Each..... 25c

Cartridge Fuses

Base Cartridge fuses. Size 2x9-16 in. Select size that will pass smallest amount of current for line with greatest load. Weight, each, 1 ounce.

4-B-3078..... 3 amp. Each..... 8c

4-B-3079..... 6 amp. Each..... 8c

4-B-3080..... 10 amp. Each..... 8c

4-B-3081..... 12 amp. Each..... 8c

4-B-3082..... 15 amp. Each..... 8c

4-B-3083..... 20 amp. Each..... 8c

4-B-3084..... 25 amp. Each..... 8c

4-B-3085..... 30 amp. Each..... 8c

4-B-3086..... 40 amp. Each..... 12c

4-B-3087..... 50 amp. Each..... 12c

4-B-3088..... 60 amp. Each..... 12c

Conduit Box Bodies

Conduit Box Couplings

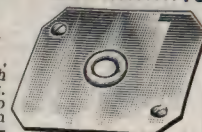


4-B-3091. To be used with $\frac{3}{4}$ inch rigid iron conduit pipe and can be connected to conduit box body. Weight, 3 oz. Each..... 15c

Covers for Shallow Type Body



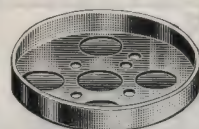
4-B-3095. Raised cover with $\frac{3}{4}$ inch knock out. Used where junction box only is wanted or for conduit extension. Weight 3 ounces. Each..... 10c



4-B-3096. Flat cover, with $\frac{3}{4}$ inch push opening. Used for drop cords. Smooth edge preventing injury to cord. Each..... 10c

Every Needed Item for House Wiring

Conduit Ceiling Boxes

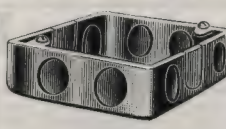


4-B-3097. Made without lugs. Used for fixture with bracket outlet. Knock outs for 1/2-inch conduit. 4 inch diameter, 1/2 inch deep. Weight, 7 ounces. Each..... **10c**
4-B-3098. As above except with 3/8-inch knock outs for metallic conduits. Each..... **10c**

Raised Blank Cover Closed



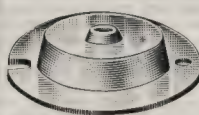
Weight, 4 ounces.
4-B-4004. For 4-inch box. Each..... **8c**
4-B-4005. For 3 1/4-inch box. Each..... **9c**



Square Outlet Box

Heavy steel outlet box with knock outs on side and bottom for 1/2-inch gas pipe. Can be used for junction box or switch box. 4 inches square, 1 1/2 inches deep. Weight, 7 ounces. Each..... **17c**

Drop Cord Cover 3/8" Hole

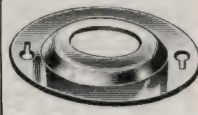


Weight, 4 ounces.
4-B-4006. For 4-inch box. Each..... **9c**
4-B-4007. For 3 1/4-inch box. Each..... **8c**

Square Outlet Box Covers

4-B-4000. Raised cover, 3/4-inch insulating bushing. Each..... **9c**
4-B-4001. Flat closed cover. Each..... **8c**
4-B-4002. Raised switch or Receptacle Cover } 3/4" **14c**
4-B-4003. Raised double switch cover } 3/4" **15c**

Raised Sign Receptacle Cover



Weight, 4 ounces.
4-B-4008. For 4-inch box. Each..... **8c**
4-B-4009. For 3 1/4-inch box. Each..... **7c**



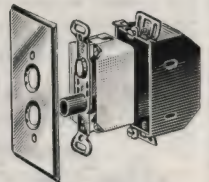
Push Button Flush Switch

Splendid push button flush switch. Standard shallow type. 1 1/2 inch deep, 1 1/2 inch wide. 1 Black, 1 Pearl center button. For 125 volts, 10 ampere current; 250 volt, 5 ampere current. Weight, 6 ounces.

4-B-4010. Single pole switch..... **30c**
4-B-4011. Double pole switch. Each..... **40c**
4-B-4013. Three way switch. Each..... **50c**
4-B-4014. Four way switch..... **\$1.50**

Wall Box Switch and Plate

4-B-4015. Complete box switch and plate combination, including single pole switch, single gang push button, flush switch plate and wall box for loom or knob and tube wiring. This outfit is the one which is used for house wiring, and we feature it at a reduced price for convenience in buying economy. It is assembled from our regular stock of high grade electric wiring apparatus. These items are necessary in the installation of a flush switch or when first class, dependable installation is wanted.



Price of wall box switch and plate as illustrated, complete..... **70c**

Wall Box for Conduit or Armored Cable

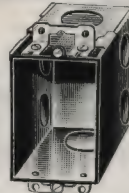
4-B-4017. Single gang box. Will receive any standard push switch. Knock out holes for 1/2-in. conduit or armored cable. By removing one side of box and joining two or more boxes together any number of gangs wanted can be made. Length, 3 inches; width, 2 inches; depth, 2 1/2 inches.



Weight, 14 ounces. Each..... **18c**

Sectional Loom Switch Box

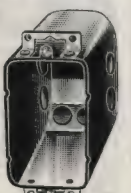
4-B-4016. Any number of gangs can be made up instantly with this box. Perfect alignment regardless of size box is to be built. Can be used with any standard push switch. 3/8 inch knock outs for 1/4-inch loom, 2 1/2 inches deep.



Weight, 11 ounces. Each.. **17c**

Wall Box for Loom or Knob and Tube Wiring

4-B-4018. Designed to be used with flexible loom or knob and tube work. Depth, 2 1/2 inches. Diameter of outlet holes, 3/4 inch to take 1/4-inch loom. Will receive any standard push switch. Weight, 11 ounces.

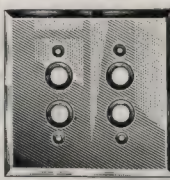


Face Plate for Single Flush Push Button Switch



4-B-4022. Four attractive finishes are offered for your choice in these heavy solid brass face plates. To cover single gang push button switch. Fits flush against the wall. State finish wanted. Weight, 2 ounces.

Number	Finish	Each
4-B-4023	Brushed Satin Brass	15c
4-B-4025	White Enamel	27c
4-B-4026	Oxidized Copper	27c
4-B-4027	Polished Nickel	27c

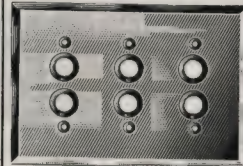


Face Plate for Two-Gang Flush Push Button Switch

Designed for use with two push button flush switch plates together in a two-gang box. Made of heavy solid brass in four attractive finishes. Weight, 2 ounces.

Number	Finish	Each
4-B-4028	Brushed Satin Brass	26c
4-B-4030	White Enamel	53c
4-B-4031	Oxidized Copper	53c
4-B-4032	Polished Nickel	53c

Face Plate for 3-Gang Flush Push Button Switch



Made of solid brass. To be used where three flush switches are placed together within a three-gang box. State finish wanted. Weight, 6 ounces.

Number	Finish	Each
4-B-4033	Brushed Satin Brass	39c
4-B-4035	Oxidized Copper	80c
4-B-4036	Polished Nickel	80c

Duplex Flush Outlet

Made to receive the prongs of any standard attachment plug cap. Two connections can be made to this outlet. Fits in regular metal wall box. Complete with face plate. Weight, 12 ounces.



Number	Finish	Each
4-B-4037	Brushed Satin Brass	80c
4-B-4038	Oxidized Copper	
4-B-4039	Polished Nickel	

Standard Flush Outlet

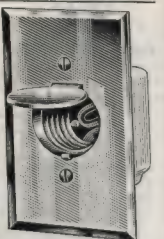
Used for attaching electric household appliances. Eliminates trouble of screwing plug into socket. Prongs of any standard attachment plug can be inserted in slots. Complete with face plate. Weight, 12 ounces.



Number	Finish	Each
4-B-4040	Brushed Satin Brass	60c
4-B-4041	Oxidized Copper	
4-B-4042	Polished Nickel	

Flush Outlet for Edison Base Screw Plug

4-B-4043. Made to receive Edison screw base attachment plug. Install for connections to household appliances. Fits flush to wall or baseboard. Hinged brass door covers socket. Complete with flush plate. Weight, 10 ounces.



Finish	Each
Brushed Satin Brass	50c
Oxidized Copper	
Polished Nickel	

Brass Shell Key Socket



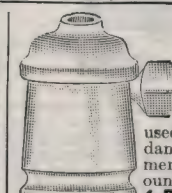
National electrical standard socket with key to turn current off and on. Fibre lights, 1/2-inch cap. Will receive any Edison base lamp. Weight, each 3 ounces.
4-B-4047. Brushed Brass finish..... **25c**
4-B-4048. Oxidized Copper finish or Polished Nickel..... **57c**



Brass Shell Pull Socket

National Electric Code Standard Socket with 8-inch chain to control current. Brass shell fibre line, 1/2-inch cap. Weight, 3 ounces.

4-B-4049. Brush Satin Brass finish. Each..... **36c**
4-B-4050. Oxidized Copper finish..... **95c**
4-B-4051. Polished Nickel finish..... **95c**



Porcelain Socket with Pendant Cap

Made to be used on drop cords in damp places or basements. Weight, 6 ounces.

4-B-4052. Each..... **36c**
4-B-4053. As above, but keyless. Each..... **32c**



Current Tap

A handy device made to accommodate light bulb and supply a connection for electric household device. Porcelain body and cap. Screws into any ordinary light socket. Either connection can be used alone or both can be used at same time.
4-B-4054. Price, each..... **45c**

The World's Best Garages

Over 25,000 Erected
In Chicago and Suburbs

Now You Too
Can Buy

With the completion of our new factory and the installation of new automatic machinery, capacity has been increased, enabling us to now take care of nation-wide distribution, whereas heretofore our factory has been taxed to capacity for our Chicago and Suburban customers alone.

You, therefore, now have an opportunity to share in these money saving prices.

FREE

Ask for book 38-BA showing over 50 different sizes and styles of buildings and giving full details of construction with illustrations and full information on HARRIS Patented "UNIT BUILT" Buildings, Garages, Summer Cottages, Bungalows, Schools, Churches, etc. This new and wonderful system of patented construction will amaze you in its completeness and simplicity to the last detail.



Two-Car GRANADA Garage

Two-Car "Granada" Garage

The "Granada" Garage (at right) is designed for the man who is looking for a high grade building of substantial construction and attractive design with many of the World's famous Harris Garage Improvement. The low cost is made possible by quantity production on modern specialized automatic machinery designed to eliminate every item of waste in both material and labor. Complete with three new type swing out casement sash, "Quicklock" equipped or "Rollaway" no-sag garage doors, painted. Service door if wanted \$5.75 extra.

38-B-1618 Size 16'6"x18'6"....\$183

Harris Garages

are factory made, complete, that is—units are manufactured on steel templates; come to you in easily handled sections for assembly in consecutive order as the building progresses and require little or no instructions, as the method of assembling the units immediately suggests itself.

Joints Do Not Show
HARRIS UNIT BUILT BUILDINGS when completed have no visible joints and you would never think they were anything but regular hand-work-built-on-the-premises jobs.

They are the best of their kind on the market today, in quality of material, units of construction and stability.

They are not the result of a sudden impulse, but have been carefully developed, step by step, until they have reached their present state of perfection.

Our tremendous lumber and mill-work, manufacturing and buying facilities, enable us to produce and sell these buildings made up with such fine material and so practical, that these low prices mean a big saving to you.

Brief Specifications

All framing lumber, No. 1 Yellow Pine surfaced on all exposed sides.

Foundation sill equivalent to a 4x8 timber.

Patented corner posts equal to 5x5 timber.

Outside wall is made up of units, (or panels) 2' and 4' wide and 8' high, with interlacing cross braces that give exceptional strength and neatness in appearance.

Siding is clear kiln dried Oregon fir, tongued, grooved and beaded.

Lined with our own exclusive "CELLU-SEAL" Insulator lining.

Top wall plate is equivalent to 4x6 timber, grooved, and locks down over the side wall sections, holding them rigid.

Location of Service Door and Windows to suit.

Roof is made with patented notched roof trusses, of strictly No. 1 Yellow Pine.

Hoods and flower boxes as shown on models "B," "D" and "G" included.

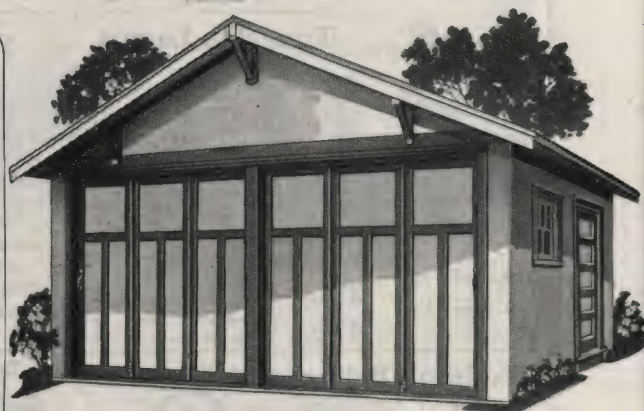
Roof sheathing is No. 1 and No. 2 common, matched and beaded, and comes in units complete, ready to apply, excepting on the Paloma and Granada. On these two styles, the roof boards come cut to length, to be applied after the roof rafters are in place.

Directions—It is a simple matter to erect these garages with the complete instructions accompanying each order, and thousands have been erected in a satisfactory manner. The Paloma and Granada particularly, are extremely simple and easy to erect by one man.

One Customer Writes—

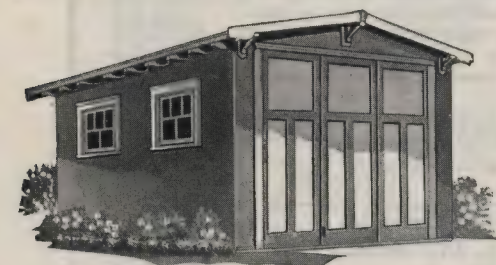
"Everyone says my Garage is the most attractive one in town. The insulation holds the heat and keeps out the cold. Best of all, the cost was very low."

(Signed) Vint Hubler,
235 Wood St.
Lafayette, Ind.



De Luxe Model "A"—Two-Car

Number	Size Width Length	Price
38-B-12	16'6"x18'6"	\$208
38-B-14	18'6"x18'6"	220
38-B-15	18'6"x20'6"	236
38-B-16	20'6"x20'6"	246
38-B-18	20'6"x24'6"	272



"Paloma" One-Car \$127

Without question, the finest and most complete low priced garage ever produced. The direct result of our highly specialized efficient garage building methods. Complete with two new type swing-out casement sash, "Quicklock" equipped no-sag swinging or "Rollaway" doors, painted. Service door if wanted, \$5.75 extra.

38-B-1016 Size 10'6"x16'6". Price.....\$127

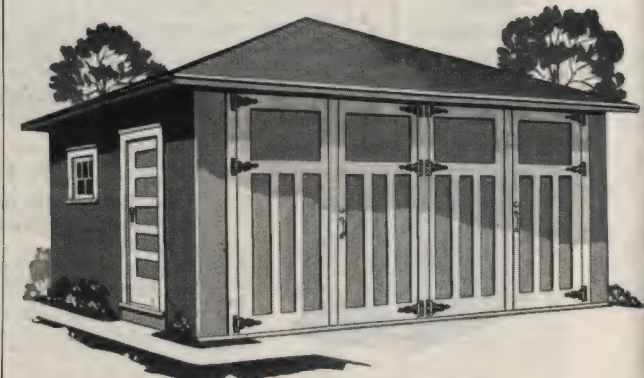
38-B-1018 Size 10'6"x18'6". Price..... 138

38-B-1218 Size 12'6"x18'6". Price..... 149



De Luxe Model "A"—One-Car

Number	Size Width Length	Price
38-B-5	10'6"x16'6"	\$142
38-B-6	10'6"x18'6"	153
38-B-8	12'6"x16'6"	155
38-B-9	12'6"x18'6"	165
38-B-10	12'6"x20'6"	175



De Luxe Model "C"—Two-Car

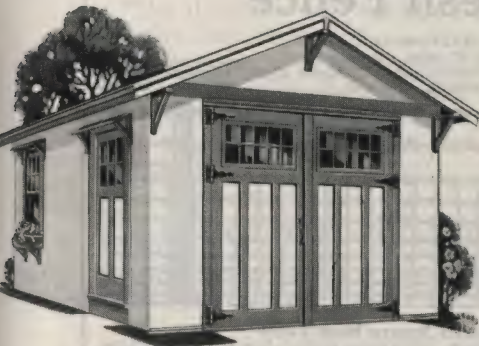
Number	Size Width Length	Price
38-B-32	16'6"x18'6"	\$213
38-B-33	18'6"x18'6"	225
38-B-34	18'6"x20'6"	242
38-B-35	20'6"x20'6"	252
38-B-36	20'6"x24'6"	278

Yours at Lowest Prices



DeLuxe Model "C"
One Car

Number	Size Width Length	Price
38-B-63	10'6"x16'6"	\$145
38-B-64	10'6"x18'6"	157
38-B-65	12'6"x16'6"	159
38-B-66	12'6"x18'6"	169
38-B-67	12'6"x20'6"	180



DeLuxe Model "B"
One Car

Number	Size Width Length	Price
38-B-44	10'6"x16'6"	\$160
38-B-45	10'6"x18'6"	171
38-B-46	12'6"x16'6"	173
38-B-47	12'6"x18'6"	183
38-B-48	12'6"x20'6"	200



DeLuxe Model "D"
One Car

Number	Size Width Length	Price
38-B-23	10'6"x16'6"	\$163
38-B-24	10'6"x18'6"	175
38-B-25	12'6"x16'6"	177
38-B-26	12'6"x18'6"	187
38-B-27	12'6"x20'6"	205

Exclusive Harris Construction Features

1. Cold-Proof "Cellu-Seal" Insulator Lining.
2. Perfect Fitting Rollaway Doors, with our Patented Exclusive Hardware, \$25 to \$50 added value—but cost you nothing extra. Over 20,000 sets now in use.
3. No-Sag Swinging Doors with Improved "Quicklock."
4. Full trussed Patented Roof, strongest made.
5. Highest Grade Lumber Throughout.
6. Three-Key Cylinder Lock Furnished.
7. Heaviest and Best Garage Hardware.
8. Best Roll Roofing. Shingle Roofing at lowest extra cost.
9. Ample Windows on all Garages—Service Doors on all De Luxe Models.
10. Complete in Detail and Painted.

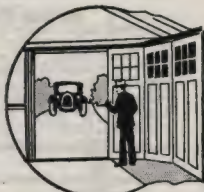
Your Choice of Finest Garage Doors

"QUICKLOCK" equipped regular swinging garage doors or new easy ROLLAWAY doors with special patented track and hardware are furnished without extra cost at your option. State which is wanted when you order.



"Quicklock" Swing- ing Garage Doors

Our regular no-sag swinging doors are fitted with heavy hinges and the "Quicklock"—the latest and best auto door lock made.



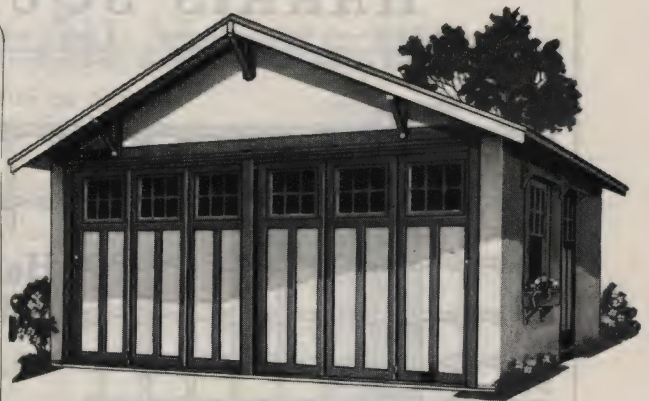
Easy Rollaway Patented Doors

Our new improved easy Rollaway doors slide around the corner on the inside of the garage. One door may be used as a service door.

"Cellu- Seal" Lining



The sturdy, tight construction of all Harris patented garages, and this Cellu-Seal Insulator Lining make them the ideal garages for cold weather. This lining is our exclusive product—an insulating wall-board nearly 1/4" thick, edges sealed by special process, forming thousands of insulated dead air cells which keep out the cold and hold the heat of your car.



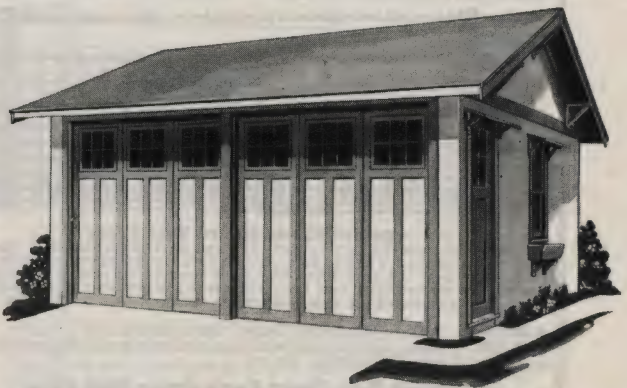
DeLuxe Model "B"—Two Car

Number	Size Width Length	Price
38-B-50	16'6"x18'6"	\$232
38-B-51	18'6"x18'6"	244
38-B-52	18'6"x20'6"	260
38-B-53	20'6"x20'6"	275
38-B-54	20'6"x24'6"	301



DeLuxe Model "D"—Two Car

Number	Size Width Length	Price
38-B-32	16'6"x18'6"	\$237
38-B-33	18'6"x18'6"	250
38-B-34	18'6"x20'6"	266
38-B-35	20'6"x20'6"	281
38-B-36	20'6"x24'6"	307

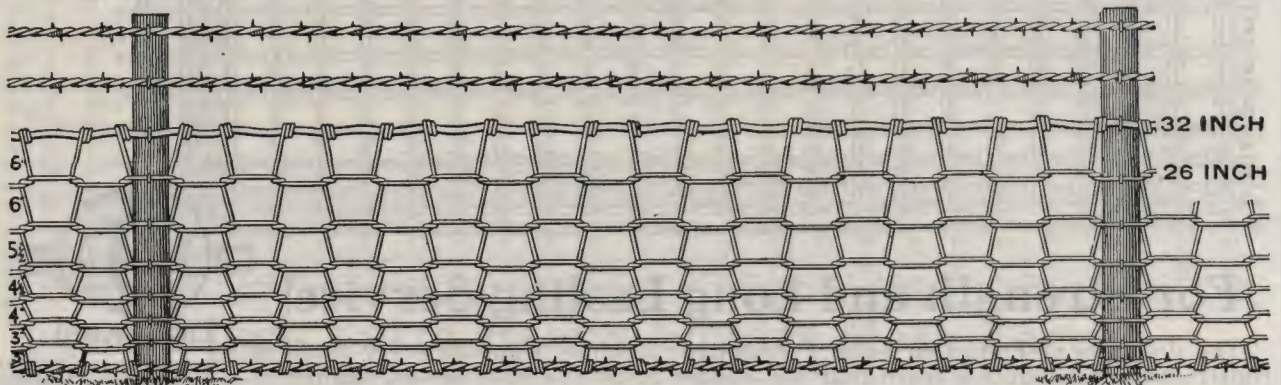


DeLuxe Model "G"—Two, Three
and Four Car

Number	Size Width Length	Price
38-B-130	18'6"x16'6"	\$236
38-B-131	18'6"x18'6"	250
38-B-132	20'6"x18'6"	264
38-B-133	20'6"x20'6"	278
38-B-134	24'6"x20'6"	319
38-B-135	32'6"x20'6"	417

Perfection and Victor Hog Fence

This fence is not as heavy as some of our other hog fences, but it possesses all the strength necessary for turning even the most vicious hogs. The barbed wire woven into the bottom is an exclusive feature that prevents hogs from lifting the fence with their noses and passing under. This fencing is especially adapted for use as a temporary fence, for it can be easily moved from place to place and restretched as often as necessary. Put up in 10, 20 and 40-rod rolls. Prices do not include barbed wire.



26-Inch Victor Hog Fence

7 wires high. Barbed wire woven into bottom. Stays 6 inches apart. No. 11 gauge High Carbon Hard Steel Coiled Spring Wire at the top. No. 14 gauge intermediate line and stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires, commencing at the bottom, are as follows: 3, 3, 4, 4½, 5½ and 6 inches. Approximate weight of 100 rods, 425 pounds. Shipped from factory near Chicago. **23c**

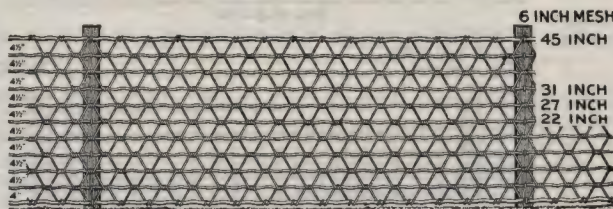
4-B-122. 26-inch Victor Hog Fence. Price, per rod..... **23c**

NOTICE—By using two or three strands of barbed wire above Victor Hog Fence an excellent general purpose farm fence can be made at a very low cost. Barbed wire not included at this price.

32-Inch Victor Hog Fence

4-B-123. Same as above, but 32 inches high. 8 wires high. Approximate weight of 100 rods, 500 pounds. Price, per rod..... **28c**

Harris Diamond Fencing For Hogs and Stock



This fence is thoroughly practical and gives the very best of satisfaction and service. The diamond shaped meshes hold the running wires in place and prevent slipping and spreading. In fact, every wire in the fence is a brace and support to all other wires.

The running wires are drawn from high carbon hard steel and are provided with tension curves which contract and expand with the changes of temperature and keep the fence straight and tight at all times.

While this fence is not quite so heavy as some of our other styles, yet it is strong enough for all ordinary requirements and makes an excellent general purpose farm fence. It is portable and can be moved from place to place as often as desired.

The top and bottom wires are No. 11 gauge, intermediate wires No. 14 gauge, and the mesh wires No. 16 gauge. Meshes 7 inches apart. This is an excellent combination hog and stock fence, and can be used by stretching two or three wires of barbed wire above the fence.

4-B-303. 31 inches high, weight 5 pounds. **32c**
Per Rod.....

4-B-300. 45 inches high, weight 6½ pounds. **42c**
Per Rod.....

26-Inch Perfection Hog Fence (Extra Heavy)

7 wires high. Barbed wire woven into bottom. Stays 6 inches apart. No. 10 gauge High Carbon Hard Steel Coiled Spring Wire at the top. No. 13 gauge intermediate line and stay wires. All wires drawn from Open Hearth Steel and heavily galvanized. Spaces between line wires, commencing at the bottom, are as follows: 3, 3, 4, 4½, 5½ and 6 inches. Approximate weight of 100 rods, 525 pounds. Shipped from factory near Chicago.

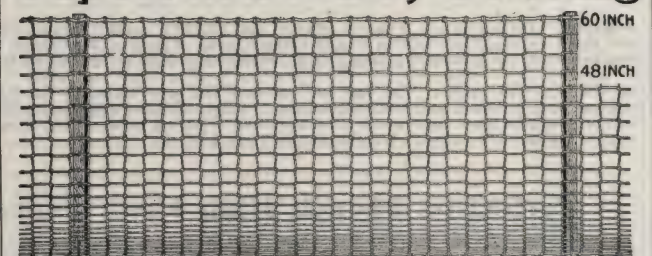
4-B-112. 26-inch Perfection Hog Fence. Price, per rod..... **27c**

NOTICE—By using two or three strands of barbed wire above Perfection Hog Fence an excellent general purpose farm fence can be made and the cost is very low.

32-Inch Perfection Hog Fence (Extra Heavy)

4-B-121. Same as above, but 32 inches high. 8 wires high. Approximate weight of 100 rods, 600 pounds. Price, per rod..... **30c**

Superior Poultry Fencing



Poultry Fence. Suitable for enclosing poultry lots, gardens and young orchards. Neither the line nor stay wires can be slipped, and it is woven sufficiently close to turn all kinds of poultry and small animals. A practical and satisfactory combination poultry and stock fence. All wires are of high carbon steel, heavily galvanized.

Our thirty-day trial fully protects you. You may erect the fence, and if it is not satisfactory within 30 days, take it down, return it to us, and we will pay freight on same and refund your money in full.

Put up in 10, 15, 20 rod rolls.

4-B-16. 48 inches high (20 wires), stays 4½ inches apart, No. 14 gauge top and bottom wires, 18 gauge intermediate and stay wires, weight approximately 400 pounds per 100 rods. Per Rod..... **32c**

4-B-14. 48 inches high (17 wires), stays 6 inches apart, 10 gauge top and bottom wires, 14 gauge intermediate and stay wires, weight approximately 825 pounds, per 100 rods. Per Rod..... **45c**

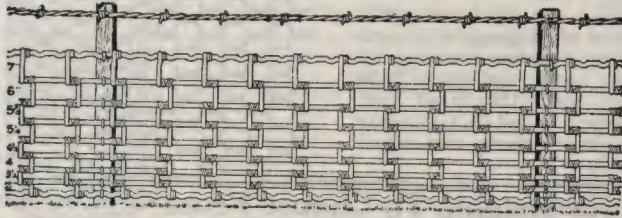
4-B-17. 60 inches high (23 wires), stays 4½ inches apart, No. 14 gauge top and bottom wires, 18 gauge intermediate and stay wires, weight approximately 450 pounds, per 100 rods. Per Rod..... **40c**

4-B-15. 60 inches high (19 wires), stays 6 inches apart, No. 10 gauge top and bottom wires, 14 gauge intermediate and stay wires, weight approximately 925 pounds, per 100 rods. Per Rod..... **50c**

Perfection Special Farm and Lawn Fencing

A page of carefully chosen fencing. The various designs cover a splendid selection for cattle, sheep, pigs, poultry and for lawn or estate enclosures. All are highly recommended and your decisions can be safely and quickly made according to the price you wish to pay.

Sheep and Cattle Fencing



LIGHT WEIGHT FENCES

CONSTRUCTION: No. 11 Top and Bottom Margin, No. 14 Line and Stay Wire. Stays spaced 12 inches apart. All open hearth steel heavily galvanized.

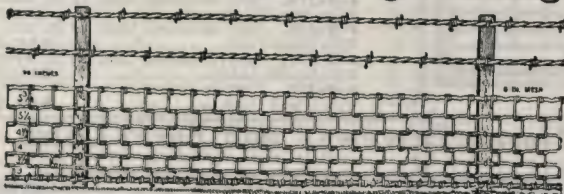
4-B-148.	26 in. high, 12 in. Stay.	Wt., 100 rods, 350 lbs., per rod..	19c
4-B-147.	32 in. high, 12 in. Stay.	Wt., 100 rods, 400 lbs., per rod..	24c
4-B-146.	39 in. high, 12 in. Stay.	Wt., 100 rods, 450 lbs., per rod..	27c
4-B-145.	47 in. high, 12 in. Stay.	Wt., 100 rods, 500 lbs., per rod..	29c

HEAVY WEIGHT FENCES

CONSTRUCTION: Styles 2-B-131 and 2-B-132 have a No. 9 top, No. 10 bottom margin; Styles 2-B-133 and 2-B-134 a No. 10 top and bottom margin. All have No. 12 Line, No. 12 1/2 Stay. Stays spaced 12 inches apart. All open hearth steel, heavily galvanized.

4-B-134.	26 in. high, 12 in. Stay.	Wt., 100 rods, 560 lbs., per rod..	28c
4-B-133.	32 in. high, 12 in. Stay.	Wt., 100 rods, 610 lbs., per rod..	31c
4-B-132.	39 in. high, 12 in. Stay.	Wt., 100 rods, 700 lbs., per rod..	36c
4-B-131.	47 in. high, 12 in. Stay.	Wt., 100 rods, 800 lbs., per rod..	41c

Barbed Bottom Hog Fencing



CONSTRUCTION: No. 11 Top Margin, Hog Barbed Wire Bottom Margin, No. 14 Line and Stay. All open hearth steel, heavily galvanized. For a hog fence at a reasonable price, buy several rolls.

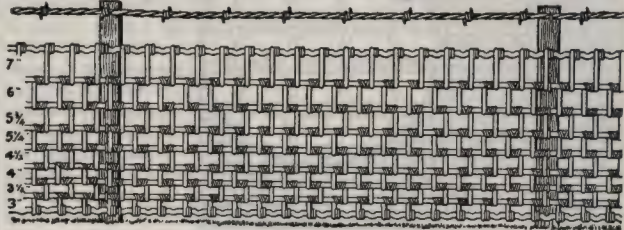
4-B-180.	26 in. high, 6 in. Stay.	Wt., 100 rods, 450 lbs., per rod..	27c
4-B-181.	32 in. high, 6 in. Stay.	Wt., 100 rods, 525 lbs., per rod..	29c
4-B-182.	26 in. high, 12 in. Stay.	Wt., 100 rods, 350 lbs., per rod..	20c

HEAVY WEIGHT BARBED WIRE BOTTOM FENCES

CONSTRUCTION: No. 10 Top Margin, Hog Barbed Wire Bottom Margin, No. 13 Line and Stay.

4-B-190.	26 in. high, 6 in. Stay.	Wt., 100 rods, 565 lbs., per rod..	32c
4-B-191.	32 in. high, 6 in. Stay.	Wt., 100 rods, 660 lbs., per rod..	36c

Hog and Little Pig Fences



LIGHT WEIGHT FENCES

CONSTRUCTION: No. 11 Top and Bottom Margin, No. 14 Line and Stay Wires. Stays spaced 6 inches apart. All open hearth steel, heavily galvanized.

4-B-143.	26 in. high, 6 in. Stay.	Wt., 100 rods, 450 lbs., per rod..	24c
4-B-142.	32 in. high, 6 in. Stay.	Wt., 100 rods, 525 lbs., per rod..	28c
4-B-141.	39 in. high, 6 in. Stay.	Wt., 100 rods, 575 lbs., per rod..	33c
4-B-140.	47 in. high, 6 in. Stay.	Wt., 100 rods, 650 lbs., per rod..	36c

HEAVY WEIGHT FENCES

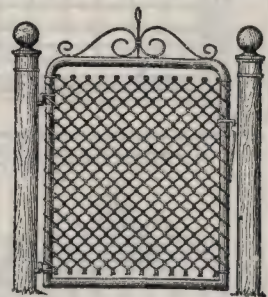
CONSTRUCTION: Styles 2-B-125 and 2-B-126 have a No. 9 Top and No. 10 Bottom Margin. Styles 2-B-127 and 2-B-128 a No. 10 Top and Bottom Margin. All have a No. 12 Line and No. 12 1/2 Stay Wire. Stays spaced 6 inches apart. All open hearth and heavily galvanized.

4-B-128.	26 in. high, 6 in. Stay.	Wt., 100 rods, 675 lbs., per rod..	35c
4-B-127.	32 in. high, 6 in. Stay.	Wt., 100 rods, 785 lbs., per rod..	39c
4-B-126.	39 in. high, 6 in. Stay.	Wt., 100 rods, 900 lbs., per rod..	48c
4-B-125.	47 in. high, 6 in. Stay.	Wt., 100 rods, 1020 lbs., per rod..	54c

Galvanized Walk Gates

An ornamental gate especially designed for front walks and gardens or any other place where a gate is required. Being galvanized and of strongest construction it will retain its newness and original shape over a long period of time.

The frame is made of new heavy 1 1/2-inch outside diameter steel tubing, covered with 2-inch square mesh poultry proof Chain Link Lawn Fence. Hinges furnished for wood posts or for 2-inch O. D. steel posts.

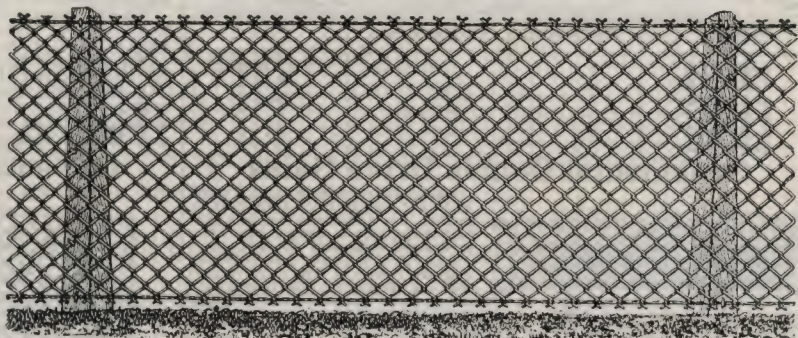


Four Heights to Choose From

4-B-336.	36-inch opening, height 36 inches.	Price each.....	\$3.45
4-B-342.	36-inch opening, height 42 inches.	Price each.....	3.60
4-B-348.	36-inch opening, height 48 inches.	Price each.....	3.75
4-B-360.	36-inch opening, height 60 inches.	Price each.....	4.25

Perfection Lawn Fence

One of our leading and best selling styles. It makes a handsome yard and lawn fence and is admirably adapted for cemeteries and gardens. It turns everything—from all kinds of stock to chickens. It is very easily erected and it looks very well. This is a fence that is sure to please you. The construction is of the link chain type. Absolutely non-climbable.



Special Low Prices

4-B-210.	36 inches high, No. 11 gauge, 2 -inch mesh; weight per 100 feet, 165 pounds.	Price, per foot.....	12c
4-B-211.	42 inches high, No. 11 gauge, 2 -inch mesh; weight per 100 feet, 185 pounds.	Price, per foot.....	14c
4-B-212.	48 inches high, No. 11 gauge, 2 -inch mesh; weight per 100 feet, 205 pounds.	Price, per foot.....	15c
4-B-230.	36 inches high, No. 9 gauge, 2 -inch mesh; weight per 100 feet, 215 pounds.	Price, per foot.....	18c
4-B-217.	48 inches high, No. 9 gauge, 2 -inch mesh; weight per 100 feet, 300 pounds.	Price, per foot.....	23c
4-B-215.	36 inches high, No. 9 gauge, 1 1/2-inch mesh; weight per 100 feet, 350 pounds.	Price, per foot.....	30c
4-B-216.	48 inches high, No. 9 gauge, 1 1/2-inch mesh; weight per 100 feet, 400 pounds.	Price, per foot.....	33c

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

Harris Twin Post Cemetery Arch



Nothing can be more appropriate for a roadway into a Cemetery than one of our beautiful Arches with the name of the Cemetery in beautiful White Enameled letters printed across the top.

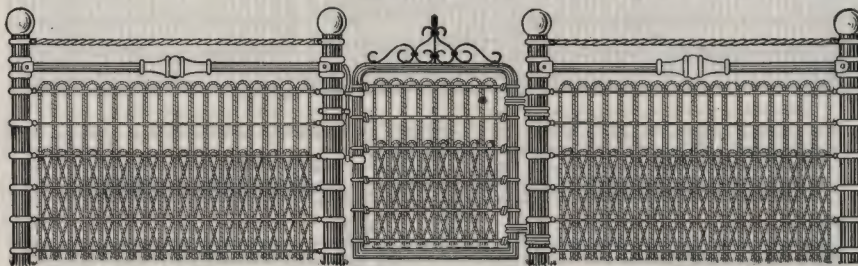
The "Harris" Twin Post Cemetery Arch is made up with two upright posts on each side, measuring $1\frac{3}{4}$ inches in diameter. These posts are placed 12 inches apart. The spaces between, divided into vertical sections by short pieces of pipe which act as braces to the posts. These vertical sections are filled with neat and attractive scroll work.

The "Top" of the "Harris" Arch is mounted with a beautiful scroll pattern and is filled with one of our most beautiful designs of Ornamental Wire Fabric. We also place in the corners beneath the top an elegant pattern of scroll work. Each post is fitted with a heavy cast iron base and neat white enameled Ornament on the top. We put the name of your Cemetery on the top of the Arch in beautiful White Enameled Letters, without additional cost.

4-B-9501. Harris Twin Post Cemetery Arch..... **\$85.00**

For \$24.00 additional, we will send an Arch with upright posts $2\frac{1}{2}$ inches in diameter. The price quoted is for driveway 8, 10 and 12 ft., but does not include the gates. For prices on Gates, see pages in this Catalogue.

Harris Cemetery Grave Lot Enclosure



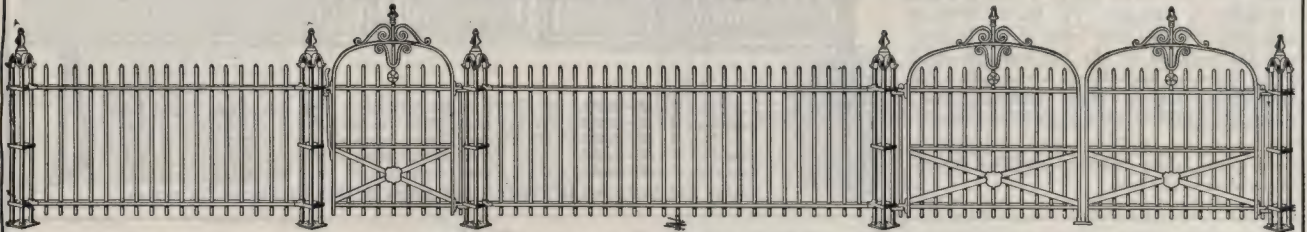
Beautify and protect your Burial Lot with Ideal Grave Lot Enclosure; regardless of whether or not the Cemetery is fenced. Adds wonderfully to the appearance of your burial lot and general surroundings.

We use the same posts, railing, fabrics and fittings as described in our "Harris Premier" Ornamental Fence. This Fence is made in one height only, 36-inch, filled with a 30-inch fabric, making a very practical enclosure. The highest grade of galvanizing is used in the manufacture of this Fence—will outwear many of the higher priced fences. Prices below include one walk gate, 3 ft. wide.

Lot No. **4-B-9121.** 8x10 ft. enclosure, 36 in. high..... **\$32.00**
 Lot No. **4-B-9141.** 8x15 ft. enclosure, 36 in. high..... **38.00**
 Lot No. **4-B-9161.** 8x20 ft. enclosure, 36 in. high..... **43.00**

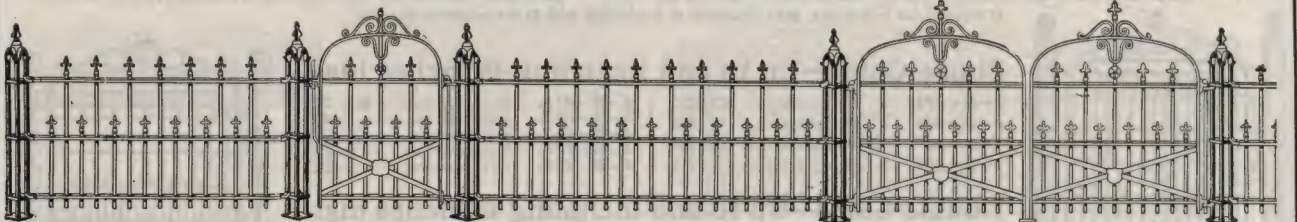
Lot No. **4-B-9171.** 10x12 ft. enclosure, 36 in. high..... **\$37.00**
 Lot No. **4-B-9181.** 10x15 ft. enclosure, 36 in. high..... **40.00**
 Lot No. **4-B-9191.** 20x20 ft. enclosure, 36 in. high..... **55.00**

Harris Ornamental Wrought Iron Fence



	Picket	Spaced Apart	Size of Chan. Rail	Height	Price	Height	Price	Height	Price	Height	Price	Height	Price
4-B-1062	$\frac{3}{8}$ in.	4 in.	$1\frac{1}{4} \times \frac{1}{2}$ in.	37 in.	.....	42 in.	.....	48 in.	.....			
4-B-1066	$\frac{1}{2}$ in.	4 in.	$1\frac{1}{4} \times \frac{1}{2}$ in.	37 in.	.....	42 in.	.....	48 in.	.....			
4-B-1068	$\frac{5}{8}$ in.	5 in.	$1\frac{1}{2} \times \frac{1}{2}$ in.	37 in.	.....	42 in.	.....	48 in.	.....	54 in.	.....	60 in.	.....
4-B-1070	$\frac{3}{4}$ in.	5 in.	$1\frac{1}{2} \times \frac{1}{2}$ in.	37 in.	.....	42 in.	.....	48 in.	.....	54 in.	.....	60 in.	.....

Send diagram of space to be inclosed. Indicate where posts and gates are to be placed. We will figure your exact requirements and quote lowest prices



	Size, Picket	Pickets Spaced	Size of Channel Rail	Height	Price	Height	Price	Height	Price	Height	Price
4-B-1001	$\frac{3}{8}$ in.	4 in.	$1\frac{1}{4} \times \frac{1}{2}$ in.	37 in.	.....	42 in.	.....	48 in.	.....	
4-B-1005	$\frac{1}{2}$ in.	4 in.	$1\frac{1}{4} \times \frac{1}{2}$ in.	37 in.	.....	42 in.	.....	48 in.	.....	

The above prices are for lineal foot, including line posts.

Corner, end and gate posts are extra.

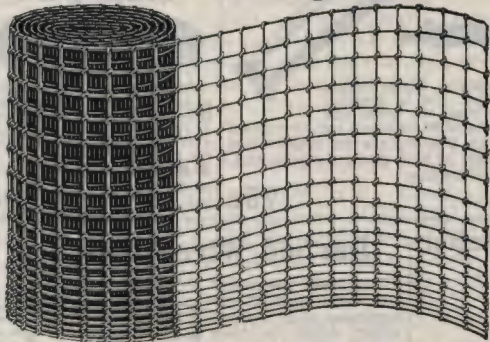
Extra for corner, end and gate posts, 37 ins., 42 ins., 48 ins., 54 ins., 60 ins.,

When figuring cost of Fencing, measure full opening, including gates corner, end and gate posts, then add each for single gates, 3 ft. 2 in. wide each for double gates, 8 ft. 2 in. wide, and extras for posts as shown above.

FENCING SPECIALS!

This field and poultry fencing offered at the low prices shown below represents the accumulation of leading fence factories' stocks of fencing that show minor defects. These defects though slight, prevent us from offering this as first class fencing. They consist in slight discolorations and an occasional manufacturing defect such as a loose wire. We guarantee this fencing to be good value for the price quoted.

Galvanized Poultry Fencing



Extra Heavy Weight

Extra heavy weight, close mesh, made of highest quality galvanized wire. 10 gauge top wires. 10 gauge bottom wires. 12 1/2 gauge stay and line wires. Stay wires spaced six inches apart.
4-B-5080. 48 ins. high, 19 cross wires. Price per rod... **50c**
 60 ins. high, 22 cross wires. Price per rod... **60c**

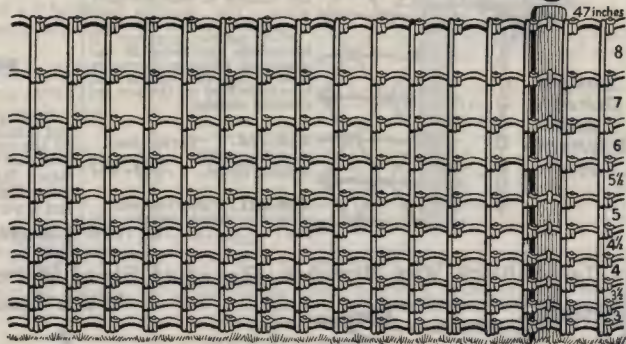
Heavy Weight Fence

Made of highest quality galvanized wire. 11 gauge top wires. 12 gauge bottom wires. 14 gauge stay and line wires. Stay wires spaced six inches apart.
4-B-5100. 36 ins. high, per rod... **42c**
 48 ins. high, per rod... **52c**
 60 ins. high, per rod... **57c**

Standard Weight Poultry Fence

Made of highest quality galvanized barbed wire. Top and bottom wires 12 1/2 gauge. Stay and line wires 15 1/2 gauge. Stay wires spaced 6 ins. apart.
4-B-5111. 72 ins. high, 25 cross wires. Priced per rod... **50c**

Galvanized Field Fencing



All 9 Gauge Fence

No. 4-B-5040. Stay Wires 6 in. Apart				No. 4-B-5045. 12 in. Apart	
Height Inches	Number of Line Wires	Weight of 100 Rods	Price Per Rod	Weight of 100 Rods	Price Per Rod
26	7	1283	\$0.60	976	38c
32	8	1503	.68	1135	44c
39	9	1739	.78	1300	59c
47	10	1990	.90	1474	67c
56	11	2257	1.00	1655	74c

9 and 11 Gauge Fence

No. 4-B-5050. Stay Wires Spaced 6 in. Apart				No. 4-B-5055. 12 in. Apart	
Height Inches	Number of Line Wires	Weight of 100 Rods	Price Per Rod	Weight of 100 Rods	Price Per Rod
26	7	883	43c	695	32c
32	8	1023	49c	797	37c
39	9	1174	57c	904	44c
47	10	1335	65c	1016	49c
56	11	1506	77c	1133	55c

Galvanized Barbed Wire



In Reels
Containing 80 Rods

\$2.85

Galvanized Barbed Wire put up 80 rods to the reel, made of 14 gauge heavy Galvanized Open Hearth Steel Wire.

4-B-11. 2 point Galvanized Barbed Wire with barbs 5" apart, per 80 rod reel... **\$2.85**
4-B-13. 2 point Galvanized Barbed Wire with barbs 3" apart, per 80 rod reel... **\$2.95**

Glidden Pattern—Heavy Weight Galvanized Barbed Wire

Made of 12 gauge Open Hearth Steel heavy Galvanized Wire, put up on reels containing 80 rods. Can be supplied in either Hog or Cattle Wire, with 2 or 4 point barbs.

4-B-30. 2 point Galvanized Barbed Wire with barbs spaced 5" apart, per reel... **\$3.75**
4-B-31. 2 point Galvanized Barbed Wire with barbs 3" apart, per 80 rod reel... **\$4.00**
4-B-32. 4 point Galvanized Barbed Wire with barbs 5" apart, per 80 rod reel... **\$4.05**
4-B-33. 4 point Galvanized Barbed Wire with barbs 3" apart, per reel... **\$4.25**

Fence Posts



Strongest
Most Durable
Fence Posts
on the Market

20c

Up Each

6-B-317. Made of heavy steel tubing, 2 in. in diameter, pointed for easy driving. Fitted with adjustable, heavy galvanized wire clamps which encircle the post and securely hold the wire in place. Weight, 2 lbs. per foot of length.

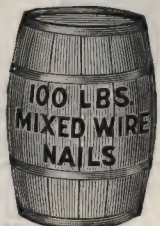
Length	Clamps Furnished	Price Each
4 foot	2	20c
5 foot	2	25c
6 foot	3	30c
7 foot	4	35c
8 foot	5	40c

Mixed Wire Nails

\$1.85 Per 100 lb. Keg

A splendid assortment of brand new wire nails in the sizes that you use every day. Indispensable about the home, workshop and farm. The same quantities bought at retail would cost you double this price. Don't forget to include this bargain with your order.
4-B-4055. 100-lb. keg of mixed nails, 3d to 40d.

Price... **\$1.85**



Galvanized Wire

4-B-984. New galvanized wire, put up 100 lbs. in a bundle, consisting of shorts or mill ends accumulated from regular galvanized fencing wire, varies in length from 50 ft. to 200 ft. and is sorted one gauge to the bundle.

8 gauge, per 100 lbs... **\$3.25**
 9 gauge, per 100 lbs... **3.35**
 10 gauge, per 100 lbs... **3.50**
 11 gauge, per 100 lbs... **3.55**
 12 gauge, per 100 lbs... **3.60**
 13 gauge, per 100 lbs... **3.65**
 14 gauge, per 100 lbs... **3.60**



\$3.25

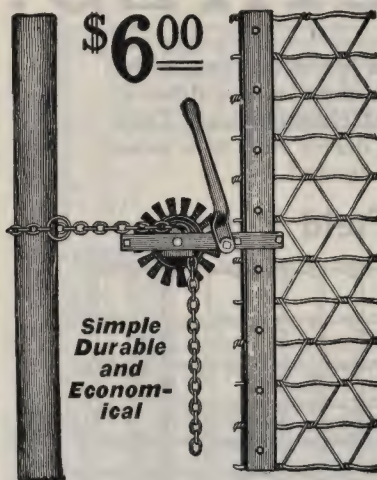
Per 100 Pounds

Crimped Wire for Reinforcing



4-B-986. Crimped wire for Reinforcing. Strengthen your concrete work by using crimped wire for reinforcing. We can furnish this material made up of No. 9 gauge wire, crimped, and cut to any length you wish up to 20 feet. Wire is made of open hearth steel, heavily galvanized. Specify length of wire required when ordering. Put up in 100-lb. bundles.
 Sale Price 100 lbs... **\$4.25**

Wire Products and Accessories



\$6.00

Simple Durable and Economical

Perfection Wire Stretcher

Shows the single Fence Stretcher and manner of attaching to posts and fence. The wonderful power, simplicity of action and ease of operation of this stretcher have made it very popular. They lock automatically at every half turn of the lever and never slip. The metal parts are of the highest quality steel and malleable iron and the clamps of selected hard wood. The chain is long enough for a pull of nine feet. The double stretcher is identically the same as the single one with the exception that it has two chains and two stretchers on the one set of wood clamps.

4-B-210. "Perfection" stretcher, single weight, 75 lbs. . . . \$6.00

4-B-211. "Perfection" stretcher, double weight, 125 lbs. . . . \$11.90

Three Tools in One!

75c



This is a wire splicer, staple puller, and hammer combined, not to mention all the other uses around the house and barn and one of the handiest tools you can have about farm. It is not only the best, but the only combination tool of its kind. Made of high grade malleable iron, and is very strong and durable.

4-B-209. Price, each. 75c

Perfection Wire Grip



A very handy tool for tightening loose wire. Can be attached to a bar and strong leverage secured. Fitted with swivel.

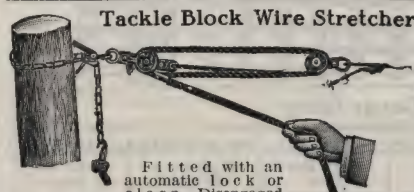
4-B-53. Price, each. . . . 33c

Brace Wire



The Brace Wire we offer is of No. 9 gauge and is drawn from Soft Open Hearth Steel. It twists nicely. In each coil there is about enough wire for three good braces.

4-B-203. Price per coil of 10 pounds. 40c

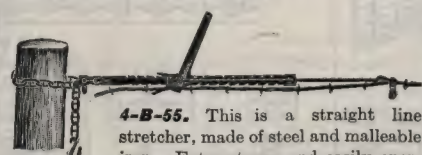


Tackle Block Wire Stretcher

Fitted with an automatic lock or clasp. Disengaged by a slight movement of the hand rope. Can also be used as a safety hoist, with which any man can lift 500 pounds. Furnished complete with 16½ feet of ½-inch pure manila rope.

4-B-56. Price, each. \$1.15

Ratchet Steel Wire Stretcher With Rod



4-B-55. This is a straight line stretcher, made of steel and malleable iron. Extra strong and easily operated. Furnished complete with 2 feet of steel chain. Price, each. 75c

Barbed Wire Stretcher

The most convenient and easily operated for stretching short runs of either woven or barbed wire fencing. When stretching woven or poultry wire with ½-inch iron pipe 5 feet in length, fasten ends about pipe as shown in cut. For stretching long runs of heavy woven wire fencing the "Harris" Stretcher is highly recommended.

4-B-60. Price. \$2.80

Screen Wire! 12 Mesh



4-B-49. Our Galvanized screen wire is made by an entirely new process and is better rust-resistant than the ordinary bright wire, as it possesses remarkable rust-defying qualities. It is not affected by moisture or salt sea air, and if given proper care, will last years and years.

Our Galvanized Screen Wire is put up in rolls of 25, 50 and 100 running or lineal feet, 12 wires to the inch each way.

Width Inches	Wt., per 100 lin. ft.	50 ft. Rolls	100 ft. Rolls
24	19	\$3.05	\$5.55
26	21	3.30	6.00
28	23	3.55	6.50
30	24	3.80	6.95
32	24	4.00	7.40
34	32	4.30	7.90
36	36	4.50	8.30
42	42	5.30	9.70
48	48	6.00	11.00

Staples

Fence staples, made of No. 9 gauge, put up regularly 100 lbs. to the keg. There are 120 1-in. staples to a lb., 100 1¼-in. staples to a lb. Prices as follows in keg lots:

4-B-35. 1-inch long, per 100 lbs. \$4.75
1¼-in. long, per 100 lbs. 4.75

Furnished in smaller quantities as follows:
10 lb. pkg. Each. . . . \$0.55
20 lb. pkg. Each. . . . 1.10
50 lb. pkg. Each. . . . 2.50

Poultry Netting Staples

Made of No. 14 gauge. There are 230 1-in. staples to a lb.

4-B-36. 1 in. long, in keg lots per 100 lbs. \$7.35
Furnished in smaller quantities as follows:

5 lb. pkg., each. 40c
10 lb. pkg., each. 80c

Window Guards!

4-B-4030. Guard against burglars and protect your windows. Our diamond mesh crimped wire window guards, with round iron rod frame, we quote as follows: These prices apply to guards containing 10 sq. ft. or more. Write for prices on smaller guards.



Size Mesh Inches	Gauge of Wire	Diameter Frame Inches	Price Per Sq. Ft.
1	13	5/16	30c
1¼	12	5/16	30c
1½	10	5/16	30c
1¾	9	5/8	30c
2	8	3/8	30c

Wire Window Guards

Made To Order

We furnish wire window guards made to your order for gymnasiums and large buildings. Send us your specifications for a money saving estimate.

Black Screen Wire 12 Mesh

4-B-48. Painted Screen Wire, put up in rolls of 50 and 100 running or lineal feet and measures each way 12 wires to the inch.

Width, Inches	Weight, per 100 lineal feet	50 ft. rolls	100 ft. rolls
24	19	\$4.95	\$2.50
26	21	5.35	2.70
28	23	5.80	2.90
30	24	6.15	3.10
32	32	6.60	3.30
34	34	7.00	3.35
36	36	7.40	3.70
42	42	8.65	4.35
48	48	9.90	4.95

Galvanized Wire Cloth

This cloth is generally known as hardware cloth, used for window guards, cages, fruit evaporators, screens and places where a heavy screen is needed. Furnished in the following sizes:



Number	Width Inches	Gauge	Mesh to Inch	Per 100 Lineal Ft.	Per Lineal Ft.
4-B-50	24	23	4 mesh to 1 in.	\$11.20	13c
4-B-51	30	23	4 mesh to 1 in.	14.00	16c
4-B-52	36	23	4 mesh to 1 in.	16.80	18c
4-B-53	24	19	2 mesh to 1 in.	10.20	12c
4-B-54	30	19	2 mesh to 1 in.	12.75	14c
4-B-55	36	19	2 mesh to 1 in.	15.30	17c

Harris Plan-Cut Homes

Carpenter & Mason Built

America's foremost collection of substantial carpenter and mason built, frame, brick, stucco and brick veneer Perfection Harris Homes which are being built in the best residential districts. Carefully planned by experts in every conceivable design and built of finest materials. They comply with all building laws, rules and regulations.

Harris Perfection Homes are "Plan-Cut," which means all dimension lumber is accurately framed by experts with the aid of most modern machinery, here in the only factory of its kind in the City of Chicago. All materials prepared on a tremendous scale without waste, which saves you from \$500 to \$2,000 when you build yours.

If you intend to build, be sure to get all details of this greatest of all home offers. When we show you the time and money saving advantages embodied in our wonderful service you will be delighted with the genuine value of our complete line.

Savings and Safety for You

FREE ARCHITECTURAL SERVICE. Good architectural service costs from six per cent to ten per cent of the total cost of the building, for plans exclusive of superintendent's fees. This means that for a home costing five thousand dollars complete, you would pay at least three hundred dollars to your architect, while with the purchase of a Harris Home, this service is FREE.

NO COSTLY ERRORS. Invariably there is a certain amount of tearing out and replacing in the building of a home by ordinary methods. This is due to miscalculation on the part of the workmen. The Harris system insures you against such errors because all calculations are made in advance and tested many times.

NO EXTRAS. Harris Homes are first built on paper, piece by piece, and a record is made of the required number of pieces and their various sizes. It is, therefore, possible for Harris Brothers Company to GUARANTEE SUFFICIENT MATERIALS TO COMPLETE YOUR HOME according to blue print plans and specifications which are furnished you.

NO MISUNDERSTANDINGS. Too often, unpleasant and sometimes disastrous misunderstandings occur between the Owner and the Contractor. The most common cause is misinterpretation of plans and specifications. Our plans, specifications and material lists are so complete that such misunderstandings are impossible.

All Material Bundled and Marked

In the preparation of Plan-Cut materials to build your Harris Home we have greatly simplified the task of construction. An average two-story house has from 35 to 40 door and window openings which under any other system must be checked, sorted and handed up to the carpenter on the job—368 pieces of lumber—but only thirty-five bundles as the material is prepared the "Harris Way." Framing materials are cut, sorted, bundled and marked to save the carpenter's time—no framing problems to figure and no chance for faulty construction or workmanship.

Two Ways to Build

Buy the materials for your Harris Plan-Cut Home at the low Freight Paid Prices shown and build it yourself with the guidance of our easily read and readily understood blue print plans, itemized material list and construction details.

Select your Harris Plan-Cut Home and let us send you all the materials we furnish for its construction. Then secure a reliable builder in your locality, arrange a contract for the construction and supervise the erection from start to finish as the work progresses.

Most Liberal Terms

We require no cash in advance. In deciding your terms of payment, please remember that our guarantee protects you in every way regardless of how you pay for your home.

Terms-A—We will ship material without a cash payment under the terms of our guarantee blank which gives you 5 days time for inspection and unloading before you pay. Blank sent on application.

Terms-B—2% discount allowed if 1/4 of total amount is sent with order, balance to be paid upon delivery of material.

Terms-C—5% discount will be allowed upon your order for a complete home when cash in full accompanies it. You earn this discount by the saving we make at this end of the line.

Terms-D—If you are arranging for a local loan, you may pay for your home in three equal installments as your home is being constructed.

"PERFECTION" HARRIS HOMES

Brief Specifications of Material

We furnish for cash prices shown, in accordance with blue print plans and material lists for each Harris Perfection Home.

FOUNDATION—Plank basement sash frames No. 107, plank door frames No. 106, girder posts, girders, wall plates and box sills No. 1 Yellow Pine.

FRAME—Main floor joists, studding, ceiling joists, rafters, No. 1 Yellow Pine spaced 16 inches on centers. Headers and liners doubled around door and window openings. Single 2 x 4 plate below and double 2 x 4 plate above on all partitions. All porch framing also 16 inches on centers.

WALLS—No. 1 Soft Pine lath and grounds for all inside walls, ceilings and partitions. No. 2 Yellow Pine sheathing outside, entire frame covered with insulating felt and your choice of 1/2 x 4-6-8 clear Redwood or Spruce bevel siding or Star A Star 6 to 2 Red Cedar Shingles.

Note: For brick homes we furnish furring strips, lath, lintels and top wall plates only for outside walls. For stucco exteriors we furnish many of the patent sheathing boards such as Byrkit, Thermo-Lath, Gyp lap, Celotex, etc., with galvanized reinforcing wire, but prices shown do not include stucco plaster material. No masonry material.

ROOF—1 x 6 matched and beaded clear lumber, over exposed rafters with sound Yellow Pine tight roof sheathing and certified brand asphalt slate surfaced shingles, best quality; colors, red, green, blue black or autumn blend. Many patterns to choose from.

PORCH—All materials, except masonry, furnished for porches to be built as shown.

OUTSIDE FINISH AND FLOORING—Clear fir.

FRAMES—Clear fir, casing 1 1/8 inches thick, ready to nail together.

WINDOWS—1 3/8 inches thick, clear White Pine furnished with weights and cord in patterns shown in photographs, clear glass, double strength, tacked and puttied.

DOORS—Front door 1 3/4 inches thick as shown, clear White Pine, your choice of any inside door, clear fir, shown in building material section of this catalog.

OAK FLOORING—1 3/16 x 2 1/4 inch face, select oak flooring for main rooms, No. 1 common Oak for balance throughout.

INTERIOR TRIM AND JAMBS—Your choice of any pattern shown in building material section in clear Yellow Pine, clear fir or unselected gumwood, carefully sanded ready to be installed. Oak, Birch, Walnut and other woods carried in stock and can be furnished. Additional price on application. No cabinet work included. See building material section for prices on stock cabinets.

HARDWARE—All outside lock sets solid bronze. Cylinder lock sets for front doors on medium and larger homes, night latch for smaller. Prices include all door locks, butts, sash locks, lifts, cord, weights, and nails of every description necessary. Nickel finish in bath. Balance of hardware your choice of sand blast, Antique Copper or Lemon Brass finish.

SHEET METAL AND GUTTERING—26 ga. galvanized guttering and down spouts, flashings, fittings, decks, etc.

PAINT—Guaranteed ready mixed lead and oil house paint for a 3-coat job outside over all woodwork. Stain, shellac and varnish for 3-coat job inside. Where shingles are ordered for outside walls we furnish enough creosote shingle stain in any color selected to dip shingles one coat before they are applied.

NOTE: We do not furnish masonry materials of any description. Our engineers have prepared complete plans for guaranteed plumbing and heating systems for all our homes, prices quoted, on application.

Quality & Quantity —GUARANTEE—

WE guarantee to furnish sufficient quantities of material as outlined in our itemized list of materials, and specifications, to construct each Home according to our Blue Print plans. Further, that all materials will measure up to the high standard of quality specified or better. That each item will reach your building site safe, sound and in perfect condition.

This means that there will be no extras, unless you choose to order additional materials or alter construction as the work on your Home progresses.

HARRIS BROTHERS CO.

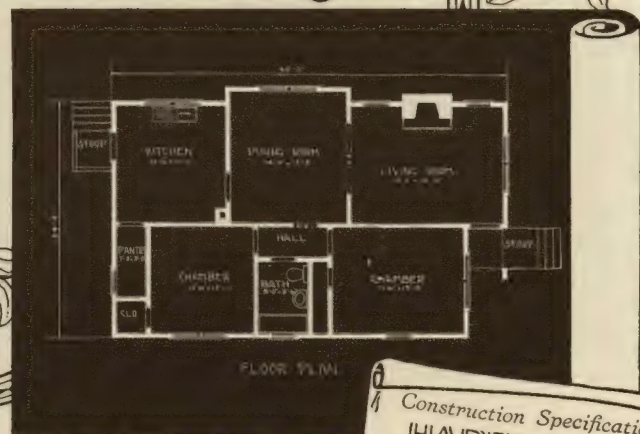
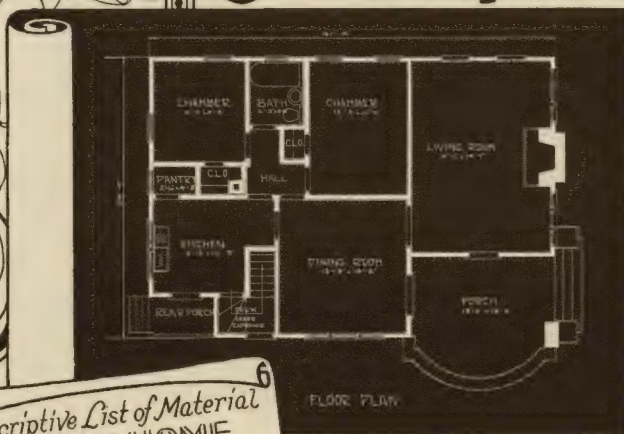
Large Photos of Any Two Designs With Plans and descriptive Material Lists

Sent to You
POSTPAID

\$1.00



for Prospective Home Buyers



Descriptive List of Material HARRIS HOME NO. 1000

MATERIALS

A New and Wonderful FREE Home Builders Service

We have just completed this new and convenient Home Builders Service. Ever-increasing requests for complete preliminary information, large sized photographs, construction specifications and Blue Print floor plans drawn to the standard scale of one quarter inch to one foot has made it necessary for us to add this feature to our service. After you have looked over the Perfection, Economy and Dependable Homes in this book and have some idea of the type of home you wish to build, select any two designs of your choice. Write us, giving the names or number, enclose \$1.00 and we will promptly send you our valuable packets of preliminary information to cover them.

This service is FREE! The dollar paid will be credited on your order for a home. Complete detailed working blue print plans, construction specifications and itemized lists of material will, of course, be sent to you after you have made your final selections and placed your order with us for the Harris Home of your choice.

Construction Specifications HARRIS HOME NO. 1037

FOR MR. *John Doe*
SHIPPING POINT *St. Louis Mo.*

SPECIFICATIONS

WHAT YOU GET FOR \$1.00

Choose any two designs of Harris Perfection, Economy or Dependable Homes and we will send the complete packet of preliminary information of both designs postpaid, containing the following:

1. Large sized, actual photograph of both designs.
2. Standard blue print floor plans, drawn to a scale of one-quarter inch to one foot which can be reversed to suit the location of your lot, or otherwise altered free of charge.
3. Specifications of construction and descriptive lists of materials, explaining grades, quantities and material preparation.

All the above for the two Harris Home Designs of your choice. The charge of \$1.00 will be credited to your account if you buy your home from us.

WHY WE MUST CHARGE \$1.00

The primary purpose of this service is to supply our customers with comprehensive and definite information, carefully prepared and assembled to fully picture the two homes of your choosing which will aid you in making a satisfactory selection. By reducing your selections to but two designs, we have found it possible to supply you with the packets of complete preliminary information at the moderate cost of only \$1.00, whereas the expense of supplying you with this thorough information on the complete line would be prohibitive. This offer is intended for prospective home buyers only. While, of course, we would like to send this information without cost, the idly curious would swamp us with requests, and as a measure of self-preservation, we have concluded to make the charge of \$1.00 which will be credited on your order if you buy your home from us.

Home Builders Endorse Our Expert Service— Guaranteed from Start to Finish



"Well Satisfied"

Harris Brothers Company:

I am very well satisfied with our new house and would recommend Harris Homes first. Am very thankful to you for service received.
Design No. 104 R. R. Maloney.

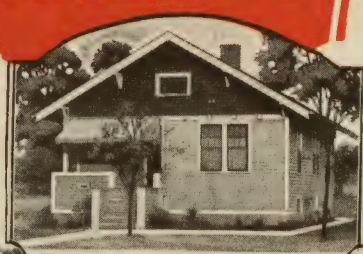


"Saved \$1,000"

Harris Brothers Company:

Here is a photo of my Harris Home Beautiful, Design No. 1508. Everything came exactly as represented by your salesman. I have saved at least \$1000.00.
Design No. 1508.

R. S. Parish.



Exceptional Merit

Harris Brothers Company:

All material of exceptional merit, better than could be purchased from any lumber company at prices that would exceed what you charge for your Ready-Cut Homes. My home, worth \$500.00 more than we paid,
Design No. 186.

E. M. Ward.

"The Only Way"

Harris Brothers Company:

I built Harris Home No. 1022 and found that Harris Brothers sent me the best material and that "Ready-Cut" is the only way to build and save time and money. Am now anxious to build No. 1502.

William Duda.

Design No. 1022.

Letters of Testimony From All States!

Hundreds of unsolicited letters have come to us from Harris Home owners. Where the number of letters from a single state has been sufficient to represent a large portion of the state territory, we have made reproductions. Folders of letters for practically all states are now ready and we will gladly send them to you postpaid, upon request. This list of owners and locations in your state will enable you to make personal inspection or secure direct information from those who have built and own Harris Homes in your locality.

"Service Fine"

Harris Brothers Company:

My house is complete and I am more than pleased with it. Want to thank you for helping me through with the deal and the interest you have taken. Will move in Tuesday of this week. Material is first class and the services rendered surely fine.

Frank W. Hume and Wife.
Design No. 104.

"Very Much Pleased"

Harris Brothers Company:

We are very much pleased with our home and have always been satisfied with all transactions with Harris Brothers. Recently screened back porch with your materials.

C. B. Walworth.

Design No. 1018-A.

"Would Cost \$1,000 More"

Harris Brothers Company:

The Ready-Cut House bought from you is finished and will say it is one of the best houses in the neighborhood. If I was to buy the materials at any place in this part of the city, it would cost me at least \$1000.00 more. Thanks for the prompt delivery.

Paul F. Scholz.
Design No. 1501.



"A Service Unequaled"

Harris Brothers Company:

Here is the fourth Harris Home I have completed and want you to know that the materials received, the instructions sent and perfectly timed deliveries saved me from \$800.00 to \$1200.00 on each house.
Design No. 1522

John Ollin.



"Finest Material"

Harris Brothers Company:

I have been told by carpenters that they have never seen any lumber that good among the dealers around here. Am very well pleased. Check enclosed for balance.

Design No. 1018-B.

Owen Rietveld.



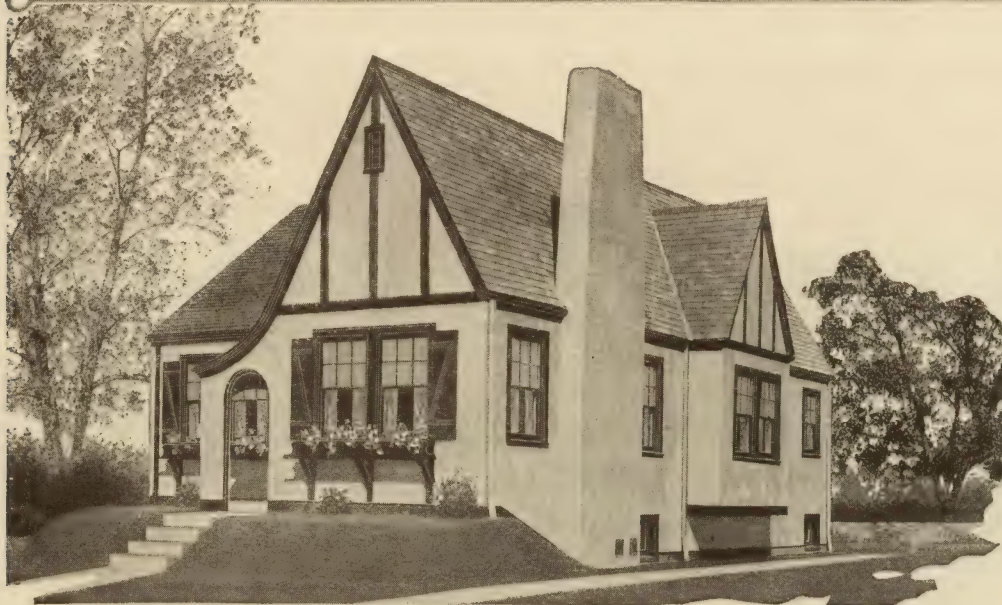
"Saved \$950.00"

Harris Brothers Company:

Am delighted with my Harris Home for it is the best built and best looking building in my neighborhood. I estimated my saving conservatively at \$950.00.

Design No. 1028.

Nels Anderson.



HARRIS PERFECTION HOMES PLAN-CUT

We furnish guaranteed quantities of all lumber, shingles or siding, lath, asphalt shingles for roof, oak flooring, frames, doors, windows, moulding, glass, insulating felt, hardware, nails, gutters, paints, stains and varnishes.

All homes on this page are shipped from Chicago.

FREIGHT PAID BY US

to Illinois, Indiana, Iowa, Wisconsin, Michigan, Ohio and Western Pennsylvania. Prices to other states proportionately low.

The Lake Forest

Design No. 1037. A carefully planned home, size 24 ft. x 40 ft., with 5 splendid rooms, bath and pantry. Price of material we furnish **\$1,575**

Freight paid to states named above

NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Lemont

Design No. 1039. An original design, size 24 ft. x 40 ft., planned with 5 tasteful, well balanced rooms and bath. Price of material we furnish **\$2,050**

Freight paid to states named above



The Atwood

Design No. 1034. A stucco home, size 24 ft. x 42 ft., of 5 rooms, bath, sun parlor and attic. Price of material we furnish **\$2,284**

Freight paid to states named above



The Boulevard

Design No. 1030. An harmonious arrangement, size 22 ft. x 38 ft., of 5 sunny rooms with bath and attic. Price of material we furnish **\$1,759**

Freight paid to states named above



The Elmhurst

Design No. 1032. An attractive home, size 24 ft. x 42 ft., of 5 large rooms, bath and sun parlor. Price of material we furnish **\$2,420**

Freight paid to states named above

HARRIS PERFECTION HOMES PLAN-CUT

\$1.00 will bring you large sized photograph, blue print floor plans, and descriptive material lists of any two designs you choose of "Perfection," "Economy" or "Dependable" Homes. See page 94.

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The Bremen

Design No. 1028. Combination Brick and Stucco, size 25 ft. 4 in. x 36 ft. This elegant home of 5 spacious rooms and bath. Price of material we furnish.....**\$1,758**

Freight paid to states named above



The Lombard

Design No. 1038. An ideal American home, size 30 ft. x 32 ft. Planned with 4 comfortable rooms, sun parlor and bath. Price of material we furnish.....**\$1,398**

Freight paid to states named above



The Roselle

Design No. 1036. A wonderful value, 35 ft. 6 in. x 36 ft. 6 in. 5 attractive and comfortable rooms with bath. Price of material we furnish.....**\$1,835**

Freight paid to states named above



The Whiting

Design No. 1025. An admirable home, size 26 ft. 10 in. x 41 ft. 4 in. 5 splendid rooms and sun parlor. Price of material we furnish.....**\$1,699**

Freight paid to states named above



The Glen Ellyn

Design No. 1026. A magnificent home, size 38 ft. 8 in. x 48 ft., of 7 elegant rooms and bath. Price of material we furnish.....**\$2,495**

Freight paid to states named above



HARRIS PERFECTION HOMES PLAN-CUT

We furnish guaranteed quantities of all lumber, shingles or siding, lath, asphalt shingles for roof, oak flooring, frames, doors, windows, moulding, glass, insulating felt, hardware, nails, gutters, paints, stains and varnishes.

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The Addison

Design No. 1035. A stucco design, size 24 ft. x 32 ft., of 5 nice rooms with bath and pantry. **\$1,490**
Price of material we furnish.....

Freight paid to states named above

NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Bensonville

Design No. 1027. Stucco home, size 25 ft. 4 in. x 34 ft., with 5 rooms, bath and attic. **\$1,629**
Price of material we furnish.....

Freight paid to states named above



The St. Charles

Design No. 1029. 34 ft. 8 in. x 24 ft., with 5 rooms, bath and attic. Price of material we furnish..... **\$1,589**

Freight paid to states named above



The Arlington

Design No. 1031. A much admired home, size 24 ft. x 32 ft., with 5 perfectly arranged rooms and bath. Price of material we furnish..... **\$1,586**

Freight paid to states named above



The Norman

Design No. 1024. An inviting bungalow, size 26 ft. x 32 ft., an harmonious arrangement of 5 inviting rooms with bath. Price of material we furnish..... **\$1,502**

Freight paid to states named above

HARRIS PERFECTION HOMES PLAN-CUT

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NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Desplaines

Design No. 1022. A handsome exterior, size 26 ft. x 24 ft., with 4 nicely arranged rooms and bath. Price of material we furnish.. **\$1,327**

Freight paid to states named above



The Wilmette

Design No. 1018. This modern bungalow, size 24 ft. x 32 ft., has 5 nicely arranged rooms and bath. Price of material we furnish.. **\$1,512**

Freight paid to states named above



The Batavia

Design No. 1020. An imposing home, size 34 ft. x 38 ft., of 6 inviting rooms and bath. Price of material we furnish..... **\$2,163**

Freight paid to states named above



The Minoka

Design No. 1023. An ideally arranged home, size 25 ft. 4 in. x 34 ft. 8 in., of 5 artistic rooms and bath. Price of material we furnish.. **\$1,636**

Freight paid to states named above



The Hampshire

Design No. 1019. This up-to-date bungalow, size 29 ft. 10 in. x 44 ft., with 6 light, airy rooms and bath. Price of material we furnish.. **\$1,980**

Freight paid to states named above



The Prescott

Design No. 1017. A stucco design, size 25 ft. 6 in. x 36 ft., with 5 airy rooms and bath. **\$1,490**
 Price of material we furnish.....
 Stucco plaster or siding not furnished. See specifications page 93.

Freight paid to states named above

HARRIS PERFECTION HOMES PLAN-CUT

We furnish guaranteed quantities of all lumber, shingles or siding, lath, asphalt shingles for roof, oak flooring, frames, doors, windows, moulding, glass, insulating felt, hardware, nails, gutters, paints, stains and varnishes.

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NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Itasca

Design No. 1012. A Queen Anne type cottage, size 16 ft. x 20 ft., with 3 ideally arranged rooms. Price of material we furnish..... **\$645**

Freight paid to states named above



The Park Ridge

Design No. 2193. Brick bungalow, 24 ft. x 38 ft., 5 rooms, bath, pantry and attic. Price of material we furnish..... **\$1,594**

Freight paid to states named above



The Lockport

Design No. 1016. This practical Bungalow-cottage, size 20 ft. x 26 ft., has 5 inviting rooms. Price of material we furnish..... **\$923**

Freight paid to states named above



The Hobart

Design No. 1021. This homelike, restful cottage, size 25 ft. 6 in. x 33 ft. 4 in., with 5 cozy rooms and bath. Price of material we furnish..... **\$1,468**

Freight paid to states named above

HARRIS PERFECTION HOMES PLAN-CUT

\$1.00 will bring you large sized photograph, blue print floor plans, and descriptive material lists of any two designs you choose of "Perfection," "Economy" or "Dependable" Homes. See Page 94.

All homes on this page are shipped from Chicago

FREIGHT PAID BY US

to Illinois, Indiana, Iowa, Wisconsin, Michigan, Ohio and Western Pennsylvania. Prices to other states proportionately low.

NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Prairie View

Design No. 1003. This cozy home, size 22 ft. x 26 ft., of 4 airy rooms with choice of bath or pantry. Price of material we furnish.... **\$982**

Also Furnished in—

Size 18 ft. x 26 ft. Price, \$819 Size 20 ft. x 26 ft. Price, \$922

Freight paid to states named above



The Frontenac

Design No. 1007. A dignified bungalow, size 40 ft. x 26 ft., of 6 conveniently arranged rooms and bath. Price of material we furnish... **\$1,783**

Freight paid to states named above



The Orland Park

Design No. 1006. An exceptional design, size 30 ft. x 29 ft. 6 in., with 5 large rooms of solid comfort and bath. Price of material we furnish... **\$1,559**

Freight paid to states named above



The Antioch

Design No. 1008. This carefully planned cottage, size 26 ft. x 20 ft., of 4 rooms and pantry. Price of material we furnish... **\$950**

Freight paid to states named above



The Wayne

Design No. 1009. An attractive cottage, size 20 ft. x 28 ft., with 4 pleasant rooms, bath and pantry. Price of material we furnish... **\$1,003**

Freight paid to states named above



The LaGrange

Design No. 1000. A California Bungalow, size 28 ft. x 41 ft. 4 in. Planned with 5 splendid rooms and bath. Price of material we furnish.....**\$1,852**

Freight paid to states named above

HARRIS PERFECTION HOMES PLAN-CUT

We furnish guaranteed quantities of all lumber, shingles or siding, lath, asphalt shingles for roof, oak flooring, frames, doors, windows, moulding, glass, insulating felt, hardware, nails, gutters, paints, stains and varnishes.

All homes on this page are shipped from Chicago

FREIGHT PAID BY US

to Illinois, Indiana, Iowa, Wisconsin, Michigan, Ohio and Western Pennsylvania. Prices to other states proportionately low.

NOTE:

• All Homes furnished as shown or in reversed plans to suit your location.



The Glenview

Design No. 1001. This attractive bungalow, size 26 ft. 6 in. x 36 ft., of 5 sunny rooms and bath with attic. Price of material we furnish.....**\$1,764**

Freight paid to states named above



The Palos

Design No. 1002. A carefully planned home, size 22 ft. x 32 ft., with 5 comfortable rooms and bath. Price of material we furnish.....**\$1,251**

Freight paid to states named above



The Cicero

Design No. 1005. A typical bungalow, size 24 ft. x 32 ft., of 5 conveniently arranged rooms with pantry and bath. Price of material we furnish.....**\$1,515**

Freight paid to states named above



The Rockdale

Design No. 1004. This charming bungalow, size 22 ft. x 36 ft., built with 5 beautiful rooms and bath. Price of material we furnish.. **\$1,479**

Freight paid to states named above

HARRIS PERFECTION HOMES PLAN-CUT

\$1.00 will bring you large sized photograph, blue print floor plans, and descriptive material lists of any two designs you choose of "Perfection," "Economy" or "Dependable" Homes. See page 94.

All homes on this page are shipped from Chicago.

FREIGHT PAID BY US
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NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Grove

Design No. 1502. A charming cottage, size 26 ft. x 26 ft., with 6 sunny rooms and bath. Price of material we furnish..... **\$1,628**

Freight paid to states named above



The Suburban

Design No. 1500. An artistic bungalow, size 25 ft. 6 in. x 28 ft. Carefully planned with 6 charming rooms and bath. Price of material we furnish..... **\$2,125**

Freight paid to states named above



The Elgin

Design No. 1503. A substantial home, size 27 ft. 6 in. x 40 ft., with 5 perfect rooms, bath and attic. Price of material we furnish... **\$2,110**

Freight paid to states named above



The Evanston

Design No. 1501. This popular stucco design, size 25 ft. 6 in. x 34 ft. Substantial construction with a beautiful interior of 6 rooms and bath. Price of material we furnish..... **\$2,045**

Freight paid to states named above



The Aurora

Design No. 1504. An unusual home, size 24 ft. x 31 ft. 8 in. of 6 delightful rooms and bath. Price of material we furnish.... **\$2,030**

Freight paid to states named above



The Beecher

Design No. 1505. Undeniably attractive, size 22 ft. x 30 ft. A home of 6 splendid rooms and bath. Price of material we furnish... **\$1,934**
 Freight paid to states named above

HARRIS PERFECTION HOMES PLAN-CUT

We furnish guaranteed quantities of all lumber, shingles or siding, lath, asphalt shingles for roof, oak flooring, frames, doors, windows, moulding, glass, insulating felt, hardware, nails, gutters, paints, stains and varnishes.

All homes on this page are shipped from Chicago
FREIGHT PAID BY US
 to Illinois, Indiana, Iowa, Wisconsin, Michigan, Ohio and Western Pennsylvania. Prices to other states proportionately low.

NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Wheeling

Design No. 1508. Stucco design, 27 ft. 6 in. x 40 ft., with 7 rooms, 2 baths and storage. Price of material we furnish... **\$2,386**
 Freight paid to states named above



The Adams

Design No. 1510. A stucco home, size 25 ft. 6 in. x 28 ft., of 6 light, sunny rooms and bath. Price of material we furnish... **\$1,928**
 Freight paid to states named above



The Elwood

Design No. 1507. A real investment, size 24 ft. x 24 ft., with 6 modern rooms and bath. Price of material we furnish... **\$1,621**
 Freight paid to states named above



The Plano

Design No. 1506. This striking design, size 28 ft. x 26 ft., of 6 inviting rooms and bath. Price of material we furnish... **\$2,118**
 Freight paid to states named above

HARRIS PERFECTION HOMES PLAN-CUT

\$1.00 will bring you large sized photograph, blue print floor plans, and descriptive material lists of any two designs you choose of "Perfection," "Economy" or "Dependable" Homes. See page 94.

All homes on this page are shipped from Chicago.

FREIGHT PAID BY US to Illinois, Indiana, Iowa, Wisconsin, Michigan, Ohio and Western Pennsylvania. Prices to other states proportionately low.

NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Harmony

Design No. 1514. A practical home, size 25 ft. 4 in. x 21 ft. 4 in. 6 rooms of solid home comfort with bath. Price of material we furnish..... **\$1,471**

Freight paid to states named above



Ardmore

Design No. 1512. An artistic design, size 26 ft. 8 in. x 29 ft. 4 in. 6 beautiful rooms and bath. Price of material we furnish..... **\$1,873**

Freight paid to states named above



The Maple Park

Design No. 1511. This modern Home, size 25 ft. 6 in. x 34 ft., with 5 elegant rooms, bath and store-room. Price of material we furnish..... **\$1,902**

Freight paid to states named above



The River Forest

Design No. 1513. A wonderful value, size 20 ft. x 20 ft. 5 carefully planned rooms and hall. Price of material we furnish..... **\$1,136**

Size 20 ft. x 20 ft. with bath room. Price.....\$1,184
Size 20 ft. x 24 ft. with bath room. Price.....\$1,346

Freight paid to states named above



The Westmore

Design No. 1509. A spacious home, size 24 ft. x 40 ft., of 5 charming rooms, bath and attic. Price of material we furnish..... **\$2,420**

Freight paid to states named above



HARRIS PERFECTION HOMES PLAN-CUT

We furnish guaranteed quantities of all lumber, shingles or siding, lath, asphalt shingles for roof, oak flooring, frames, doors, windows, moulding, glass, insulating felt, hardware, nails, gutters, paints, stains and varnishes.

All homes on this page are shipped from Chicago.

FREIGHT PAID BY US to Illinois, Iowa, Wisconsin, Michigan, Ohio and Western Pennsylvania. Price to other states proportionately low.

The Homewood

Design No. 1517. Modern Stucco bungalow, size 29 ft. 6 in. x 26 ft., of 6 large rooms and bath. Price of material we furnish..... **\$1,882**

Freight paid to states named above

NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Bellevue

Design No. 1516. Stucco design, size 33 ft. 6 in. x 26 ft. 10 in., of 7 rooms and bath. Price of material we furnish..... **\$2,256**

Freight paid to states named above



The Olympic

Design No. 1515. Extremely modern, size 28 ft. x 26 ft. Planned with 6 generous sized rooms, bath and reception hall. Price of material we furnish..... **\$2,232**

Freight paid to states named above



The Rainier

Design No. 1518. Skillfully planned, size 21 ft. x 22 ft. 8 in., with 5 comfortable rooms and bath. Price of material we furnish... **\$1,528**

Freight paid to states named above



The Cloverdale

Design No. 1519. For town or country, size 24 ft. x 28 ft. Economical comfort built into these 6 charming rooms with pantry. Price of material we furnish..... **\$1,850**

Freight paid to states named above

HARRIS

PERFECTION

HOMES

PLAN-CUT

\$1.00 will bring you large sized photograph, blue print floor plans, and descriptive material lists of any two designs you choose of "Perfection," "Economy" or "Dependable" Homes. See page 94.

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to Illinois, Indiana, Iowa, Wisconsin, Michigan, Ohio and Western Pennsylvania. Prices to other states proportionately low.



The Triumph

Design No. 1520. An elegant stucco home, size 24 ft. x 29 ft. 4 in. Unsurpassed beauty with these 7 elegant rooms and bath. Price of material we furnish..... **\$2,119**

Freight paid to states named above

NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Hudson

Design No. 1521. An impressive home, size 21 ft. 4 in. x 26 ft. 8 in. Carefully planned with 5 sunny rooms and bath. Price of material we furnish..... **\$1,530**

Freight paid to states named above



The Greenwich

Design No. 1524. An attractive home, size 21 ft. 6 in. x 28 ft., of 5 light, sunny rooms and bath. Price of material we furnish.... **\$1,728**

Freight paid to states named above



The Harrison

Design No. 1522. This aristocratic design, size 25 ft. 6 in. x 29 ft. 4 in., with 6 elegant rooms and bath. Price of material we furnish..... **\$2,213**

Freight paid to states named above



The Del Rey

Design No. 1523. A pleasing design, size 32 ft. x 37 ft., arranged with 7 splendidly proportioned rooms and bath. Price of material we furnish..... **\$2,526**

Freight paid to states named above



HARRIS PERFECTION HOMES PLAN-CUT

We furnish guaranteed quantities of all lumber, shingles or siding, lath, asphalt shingles for roof, oak flooring, frames, doors, windows, moulding, glass, insulating felt, hardware, nails, gutters, paints, stains and varnishes.

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The Stockton

Design No. 2021. An impressive home, size 38 ft. x 26 ft., of 7 beautiful rooms with breakfast alcove, bath and pantry. Price of material we furnish..... **\$2,723**

Freight paid to states named above

NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Sherman

Design No. 1529. A charming home, size 26 ft. x 22 ft., of 6 splendid rooms with bath and pantry. Price of material we furnish... **\$1,696**

Freight paid to states named above



The Wolcott

Design No. 1528. Modern and inviting, size 22 ft. x 28 ft. 6 nice rooms with sun parlor, bath and pantry artistically arranged. Price of material we furnish..... **\$2,037**

Freight paid to states named above



The Sheridan

Design No. 1527. Stucco design, size 24 ft. x 44 ft., with 5 spacious rooms, bath, sun parlor and attic. Price of material we furnish. **\$2,571**

Freight paid to states named above



The Hampton

Design No. 1525. A suburban design, size 22 ft. x 36 ft., of 4 inviting rooms with bath and attic. Price of material we furnish.... **\$1,810**

Freight paid to states named above

HARRIS PERFECTION HOMES PLAN-CUT

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NOTE:

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The Revere

Design No. 2020. A charming home, size 35 ft. 6 in. x 26 ft., of 6 generous sized rooms with sun parlor and bath. Price of material we furnish.....**\$2,796**

Freight paid to states named above



The Edgemont

Design No. 1534. Stucco design, size 24 ft. x 32 ft. 5 rooms with sun parlor, bath and pantry. Price of material we furnish...**\$2,312**

Freight paid to states named above



The Aristocrat

Design No. 1530. A home to be proud of, size 22 ft. x 32 ft. Planned with 6 elegant rooms, bath and pantry. Price of material we furnish.....**\$2,162**

Freight paid to states named above



The Elder

Design No. 2001. This attractive home, size 20 ft. x 28 ft., with 6 delightful rooms and bath. Price of material we furnish.....**\$1,804**

Freight paid to states named above



The Jefferson

Design No. 1526. A colonial design, size 22 ft. 8 in. x 24 ft., of 6 spacious rooms with bath. Price of material we furnish.....**\$1,691**

Freight paid to states named above



HARRIS PERFECTION HOMES PLAN-CUT

We furnish guaranteed quantities of all lumber, shingles or siding, lath, asphalt shingles for roof, oak flooring, frames, doors, windows, moulding, glass, insulating felt, hardware, nails, gutters, paints, stains and varnishes.

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The Buchanan

Design No. 2002. A faithful execution of colonial design, size 34 ft. x 22 ft., with 7 sunny rooms and bath. Price of material we furnish..... **\$2,276**

Freight paid to states named above

NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Gladiator

Design No. 2004. A substantial home, size 24 ft. x 28 ft., of 7 charming rooms and bath. Price of material we furnish..... **\$2,297**

Freight paid to states named above



The Gary

Design No. 2006. Well planned, size 22 ft. x 36 ft., with 7 splendid rooms and bath. Price of material we furnish..... **\$1,930**

Freight paid to states named above



The Van Dale

Design No. 2005. Dutch colonial home, size 36 ft. x 30 ft., with 7 beautiful rooms and bath. Price of material we furnish..... **\$2,897**

Freight paid to states named above



The Richford

Design No. 2007. A comfortable home, size 21 ft. 4 in. x 30 ft., of 6 good sized rooms and bath. Price of material we furnish..... **\$2,057**

Freight paid to states named above

HARRIS PERFECTION HOMES PLAN-CUT

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NOTE:

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The Hancock

Design No. 2012. A Dutch colonial home, size 24 ft. x 32 ft., of 6 gorgeous rooms with bath and sun parlor. Price of material we furnish..... **\$2,770**

Freight paid to states named above



The Hopkins

Design No. 2010. Two-apartment home, size 30 ft. x 37 ft., of 5 delightful rooms each and bath. Price of material we furnish..... **\$3,287**

Freight paid to states named above



The Cleveland

Design No. 2013. A sturdy structure, size 22 ft. x 36 ft., of 6 elegant rooms with bath and sun parlor. Price of material we furnish. **\$2,563**

Freight paid to states named above



The Lincoln

Design No. 2008. A space saver, size 20 ft. x 36 ft. Planned with 6 homelike rooms and bath. Price of material we furnish..... **\$1,924**

Freight paid to states named above



The Concord

Design No. 2028. An imposing stucco design, size 24 ft. x 31 ft. 4 in., with 7 elegant rooms and bath. Price of material we furnish... **\$2,054**

Freight paid to states named above



The Carroll

Design No. 2025. Architecturally correct, size 34 ft. x 28 ft. 6 artistic rooms with breakfast alcove, bath and pantry. Price of material **\$2,475** we furnish. *Freight paid to states named above*

HARRIS PERFECTION HOMES PLAN-CUT

We furnish guaranteed quantities of all lumber, shingles or siding, lath, asphalt shingles for roof, oak flooring, frames, doors, windows, moulding, glass, insulating felt, hardware, nails, gutters, paints, stains and varnishes.

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NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Brunswick

Design No. 2003. This desirable home, size 24 ft. x 30 ft., cleverly designed with 7 attractive rooms and bath. Price of material we furnish. **\$2,375** *Freight paid to states named above*



The Roosevelt

Design No. 2000. A home of character, size 28 ft. x 28 ft. Perfect balance and harmony built into 8 sunny rooms and bath. Price of material we furnish. **\$2,374** *Freight paid to states named above*



The Hayes

Design No. 2018. Plenty of space, size 26 ft. 8 in. x 30 ft. 10 in. An impressive home with 7 generous sized rooms and bath. Price of material we furnish. **\$2,285** *Freight paid to states named above*



The Monroe

Design No. 2015. A palatial home, size 28 ft. x 32 ft. Substantial and neat with 8 splendid rooms and bath. Price of material we furnish. **\$2,476** *Freight paid to states named above*

HARRIS PERFECTION HOMES PLAN-CUT

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NOTE:

All Homes furnished as shown or in reversed plans to suit your location.

The Irving

Design No. 2019. A spacious home, size 30 ft. x 27 ft. 6 in., of 7 inviting rooms with bath. Price of material we furnish..... **\$2,175**
Freight paid to states named above



The Ontario

Design No. 1017. Very dignified, size 30 ft. x 26 ft. 8 in. 7 substantial rooms with bath and alcove. Price of material we furnish..... **\$2,228**
Freight paid to states named above



The Hughes

Design No. 2023. Comfortably arranged, size 32 ft. x 27 ft. 6 in., with 6 delightful rooms, bath and butler's pantry. Price of material we furnish..... **\$2,458**
Freight paid to states named above



The Winthrop

Design No. 2022. Gracefully designed, size 26 ft. 10 in. x 33 ft. 6 in., with 7 harmonious rooms and bath. Price of material we furnish..... **\$2,342**
Freight paid to states named above



The Highland

Design No. 2024. Convenience and roominess, size 30 ft. x 30 ft., 7 splendid rooms and bath. Price of material we furnish..... **\$2,427**
Freight paid to states named above



The Sovereign

Design No. 2026. Perfect harmony and grace, size 28 ft. x 27 ft., in 6 comfortable rooms and bath. Price of material we furnish..... **\$1,889**
Freight paid to states named above

HARRIS PERFECTION HOMES PLAN-CUT

We furnish guaranteed quantities of all lumber, shingles or siding, lath, asphalt shingles for roof, oak flooring, frames, doors, windows, moulding, glass, insulating felt, hardware, nails, gutters, paints, stains and varnishes.

All homes on this page are shipped from Chicago
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to Illinois, Indiana, Iowa, Wisconsin, Michigan, Ohio and Western Pennsylvania. Prices to other states proportionately low.

NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



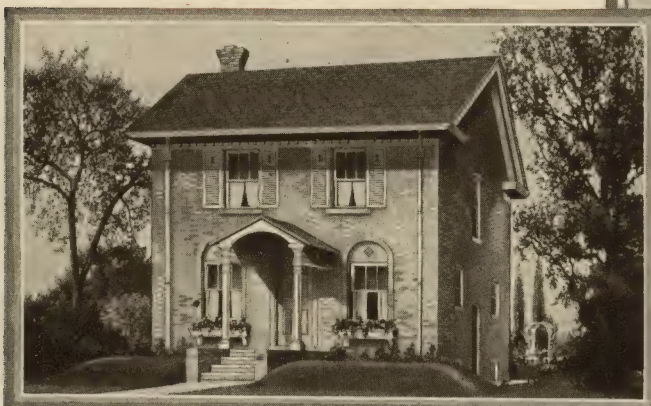
The Bradbury

Design No. 2027. Exceptionally desirable, size 26 ft. x 28 ft. Well planned with 6 light, livable rooms and bath. Price of material we furnish..... **\$2,196**
Freight paid to states named above



The Winslow

Design No. 2031. A country home, size 30 ft. x 36 ft. 8 in., of 8 delightful rooms and bath. Price of material we furnish..... **\$2,796**
Freight paid to states named above



The Ridgedale

Design No. 2029. A charming brick home, size 24 ft. x 26 ft., of 6 inviting rooms and bath. Price of material we furnish..... **\$1,648**
Freight paid to states named above



The Brewster

Design No. 2032. This massive brick home, size 52 ft. x 28 ft., of 8 splendid rooms with bath, pantry and garage. Price of material we furnish..... **\$3,455**
Freight paid to states named above

Harris Economy Homes

Carpenter and Mason Built

PLAN CUT

HARRIS ECONOMY HOMES PLAN-CUT

Moderately Priced and Substantially Built

Harris Economy Homes as illustrated in the following pages will be of particular interest to those who wish to build a moderate priced home for an investment. From our hundreds of practical designs you can choose one correctly proportioned for any sized lot. We furnish only highest quality, bright clear stock, same grades as specified in our "Perfection" Homes, guaranteed to give you complete satisfaction.

Two Ways to Build

Our home building plan meets the requirements of everyone:

- 1—Buy the material we furnish and build a "Harris Economy Home" yourself.
- 2—Buy our materials and let your own carpenters do the work under your supervision.

\$1.00 will bring you large sized photograph, blue print floor plans and descriptive material lists of any two designs you choose of "Perfection," "Economy" or "Dependable" Homes. See page 94.

Brief Specifications of Material

We furnish for cash prices shown in accordance with blue print plans and material list furnished for each Harris Economy Home.

FOUNDATION: Plank basement sash frames No. 107, plank door frame No. 106, girder posts, girders, wall plates No. 1 Yellow Pine. No masonry materials.

NOTE: 6 in. cedar foundation posts with 6x6 No. 1 Yellow Pine sills and girders furnished without skirting at same price if temporary foundation is wanted.

FRAME: Main Floor joists and rafters 24 in. on centers. Studding and ceiling joists 16 in. on centers, all No. 1 Yellow Pine. Single headers around door and window openings. Single bottom and top plates on all partitions.

WALLS: SMOOTH WALL Plasterboard for all inside walls, ceilings and partitions. No. 2 Yellow Pine sheathing outside, entire frame covered with insulating felt and your choice of 1/2x4-6- or 8 clear Redwood or Spruce bevel siding or Star A Star Red Cedar Shingles.

ROOF: 1x6 matched and beaded lumber over exposed rafters with sound Yellow Pine tight roof sheathing and Harris Very Best slate surfaced asphalt roll roofing, color either red, green or blue black. Necessary lap cement and nails included.

PORCH: All materials, except masonry furnished for porches to be built as shown.

OUTSIDE FINISH AND FLOORING: Clear Fir.

FRAMES: Clear Fir, casings 1 1/8 in. thick, K. D.

WINDOWS: 1 3/8 in. thick, clear White Pine, furnished with weights and cord in patterns shown in photographs, clear glass, tacked and puttied.

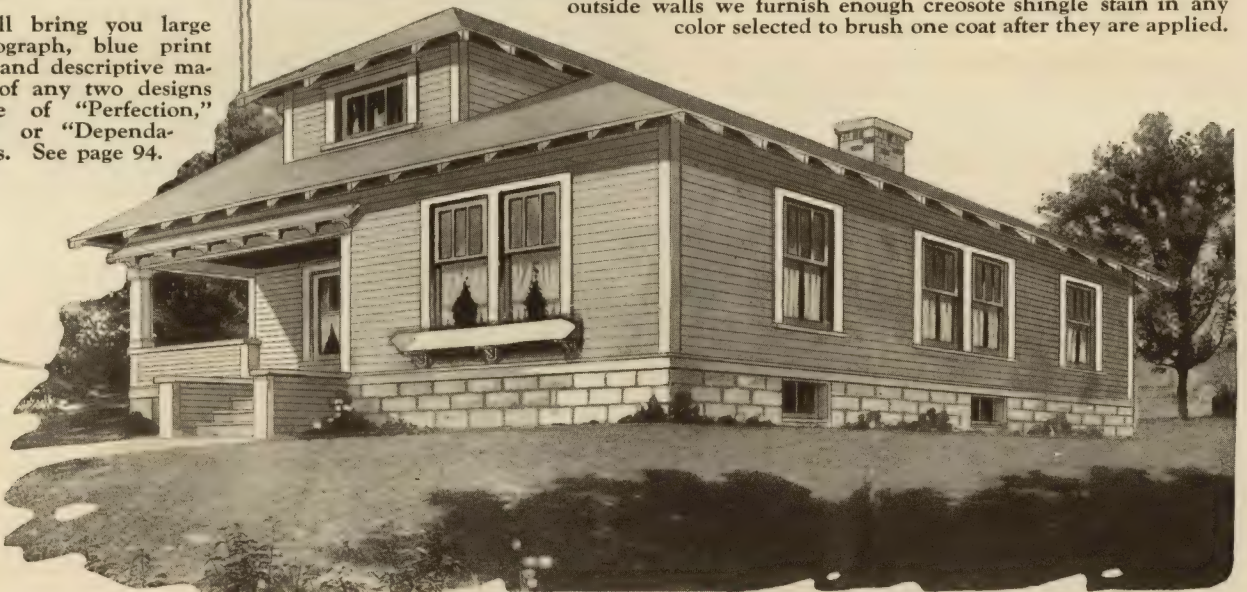
DOORS: Outside doors as shown, clear White Pine. Your choice of any inside door, clear Fir shown in building material section of this catalog.

FINISH FLOORING: 13/16x 3 1/4 in. face, end matched, tongued and grooved flooring, Yellow Pine throughout.

INTERIOR TRIM AND JAMBS: Mission door and window trim No. 1908 and No. 1912 in clear Yellow Pine or Clear Fir. Gumwood, Oak, Birch, Walnut and other woods carried in stock and can be furnished for additional price on application. No cabinet work included. See building material section for cabinets in stock and prices.

HARDWARE: All outside lock sets solid bronze. Price includes all door locks, butts, sash locks, lifts, cords, weights and nails of every description necessary. Nickel finish in bath. Balance either Antique Copper or Lemon Brass finish.

PAINT: Guaranteed ready mixed lead and oil house paint for 2-coat job outside over all woodwork. Stain and varnish for 2-coat job inside. Note, where shingles are ordered for outside walls we furnish enough creosote shingle stain in any color selected to brush one coat after they are applied.



The Odessa "Economy" Home

Design No. 104. This is probably the most popular, moderate priced Economy Home we have developed. Splendidly proportioned, well balanced exterior, planned with a comfortable interior. The size 24 feet x 36 feet permits erection on a small lot. There are 5 good sized rooms, a bathroom and pantry. Price of material we furnish... **\$1,096**

FREIGHT PAID BY US

Plans of many other Economy Homes in a wide range of design and interior room arrangements are available. A few of the more popular designs are shown in the next pages. If you have planned to build a design of your own making, send us your rough sketch and we will develop it for you. Our building experts are waiting to give you much valuable information.

to Illinois, Indiana, Iowa, Wisconsin, Michigan, Ohio and Western Pennsylvania. Prices to other states proportionately low.

Harris
Economy
Homes
Make
Home
Owning
Easy



The Walton (above)

Design No. 107. An exceptional design, size 36 ft. x 24 ft., with 5 cheerful rooms and bath. Price of material we furnish..... **\$1,317**

Freight paid to states named above

NOTE:

All Homes furnished as shown or in reversed plans to suit your location. Architectural Service Free!

The Maryland (at right)

Design No. 186. This homelike cottage, size 22 ft. x 28 ft., of 4 sunny rooms, bath and closets. Price of materials we furnish..... **\$902**

Freight paid to states named above



The Argyle (at left)

Design No. 105. A beautiful home, size 24 ft. x 36 ft., with 5 sunny rooms, bath and pantry. Price of material we furnish..... **\$1,178**

Freight paid to states named above

Many Other Designs

New designs are being constantly developed to incorporate the latest achievements in small home planning. It is quite natural that most of the ideas for added conveniences and improvements come from individuals like you. Your suggestions will be welcomed.



HARRIS

ECONOMY

HOMES

PLAN-CUT

\$1.00 will bring you large sized photograph, blue print floor plans, and descriptive material lists of any two designs you choose of "Perfection," "Economy" or "Dependable" Homes. See page 94.

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The Hudson (above)

Design No. 121. A well planned home, size 24 ft. x 38 ft., with 5 rooms and bath. Price of material we furnish. **\$1,369**

Freight paid to states named above

NOTE:

All homes furnished as shown or in reversed plans to suit your location. Architectural Service Free!

The Marietta (at left)

Design No. 293. A colonial type cottage, size 28 ft. x 20 ft., with 3 large rooms, bath and breakfast alcove. Price of material we furnish..... **\$816**

Freight paid to states named above

The Truesdale (at right)

Design No. 150. This attractive home, size 24 ft. x 36 ft., of 5 splendid rooms, bath and pantry. Price of material we furnish..... **\$1,099**

Freight paid to states named above

Experts to Help You

Practical Home Building men are waiting to help you plan the design and construction of your home from start to finish. They will incorporate your individual ideas and supply you with much valuable information.



Harris Dependable Homes

SPECIAL OFFER!

\$1.00 will bring you large sized photograph, blue print floor plans and descriptive material lists of any two designs you choose of "Perfection," "Economy" or "Dependable" Homes. See page 94.

*If You Are a Lot Owner
Why Not a Home Owner!*

HARRIS DEPENDABLE HOMES

Specifications in brief of material

FOUNDATION—Heavy Cedar posts and No. 1 Yellow Pine sills and girders, 4" x 6".

FRAMING MATERIALS—All No. 1 Yellow Pine. Sudding, ceiling joists, and rafters 2x4 24" O. C. Floor joists 2x6 24" O. C.

FLOORING (single)—1x4 clear Fir or Yellow Pine with sealboard underneath.

ROOF SHEATHING—No. 2 Yellow Pine, 1x6.

INSULATING BOARD—"Seal Board" Insulation under floor and drop siding.

SIDEWALLS—(Single) Clear Fir Drop Siding.

OUTSIDE FINISH—Select grade Fir.

WINDOW AND DOOR FRAMES—Clear Fir 1½" casings. Sills 1½" clear Fir.

WINDOW SASH—1¾" check rail, clear White Pine, glazed, tacked and puttied.

ROOFING—Best quality slate surfaced roll roofing, Red, Green or Blue-Black.

DOORS—1¾" thick. Outside doors glazed; Inside doors 2-panel Fir. Note: Except door on No. 700 which is 1¾" COLONIAL WHITE PINE.

INTERIOR WOODWORK—Clear Yellow Pine "Mission" style.

PLASTERBOARD—¾" thick all walls and ceilings.

HARDWARE, NAILS AND PAINT—Sufficient amounts for all purposes including painting material for one coat.

SHUTTERS AND FLOWER
BOXES NOT INCLUDED
IN CATALOG PRICE.



NOTE:

This home furnished as shown or in reversed plans to suit your location.

The Eldorado "Dependable" Home

Design No. 700. An attractive home, size 28 ft. x 20 ft. with 5 cozy rooms.
Price of Material We Furnish.....

\$695

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HARRIS

DEPENDABLE

HOMES

PLAN-CUT

We furnish guaranteed quantities of all lumber, roofing, siding, plaster-board, flooring, frames, doors, windows, mouldings, glass, insulating board, hardware, nails, paints and varnish.

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NOTE:

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The "Los Altos"

Design No. 600. This attractive, well arranged home, size 20 ft. x 20 ft. with 4 rooms of solid comfort. Price of material we furnish..... **\$511**

Freight paid to states named above



The "Delavan"

Design No. 704. An ideally designed home of 3 nice rooms and screened-in porch, admitting plenty of air and sunshine. Size 20 ft. x 28 ft. Price of material we furnish..... **\$670**

Freight paid to states named above



The "Brookview"

Design No. 705. A very imposing home, size 20 ft. x 36 ft. with 4 attractive, conveniently arranged rooms, bathroom and screened-in porch. Price of material we furnish..... **\$833**

Freight paid to states named above



The Northmoor

Design No. 706. This inviting, well planned design, size 20 ft. x 24 ft. has 4 cozy rooms and screened-in porch. Price of material we furnish..... **\$619**

Freight paid to states named above

Subdividers, Note:

Our big stocks and bureau of builders' information offers a splendid connection for you to develop your vacant property. Our proposition will interest you.

Renters, Note:

These comfortable, well arranged Homes give you added comforts and conveniences. A home is an investment whose dividends are present day comforts and future protection.



HARRIS DEPENDABLE HOMES PLAN-CUT

\$1.00 will bring you large sized photograph, blue print floor plans, and descriptive material lists of any two designs you choose of "Perfection," "Economy" or "Dependable" Homes. See page 94.

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The Ferndale

Design No. 701. This imposing home, size 28 ft. x 20 ft., of four cozy, well arranged rooms and bathroom. Price of material we furnish... **\$737**

Freight paid to states named above

NOTE:

All Homes furnished as shown or in reversed plans to suit your location.



The Bryn Mawr

Design No. 702. This attractive home, size 36 ft. x 20 ft., with four pleasant rooms, bathroom and sun parlor.

Price of material we furnish..... **\$921**

Freight paid to states named above



The Wauconda

Design No. 703. A carefully planned home, size 28 ft. x 28 ft., of 4 nice sized rooms with bathroom and large screened porch. Price of material we furnish..... **\$859**

Freight paid to states named above

Subdividers Note:

Our big stocks and bureau of builders' information offers a splendid connection for you to develop your vacant property. Our proposition will interest you.



The Monterey

Design No. 500. This popular design, size 20 ft. x 20 ft., of 3 cozy rooms, is an outstanding value. Price of material we furnish..... **\$430**

Freight paid to states named above

Renters Note:

These comfortable, well arranged Homes give you added comforts and conveniences. A home is an investment whose dividends are present day comforts and future protection.

HARRIS Patented "UNIT-BUILT"

"CELLU-SEAL" INSULATOR LINED

Bungalows—Cottages—Schools—Churches, etc.

THESE Buildings are not to be confused with our Ready-Cut Harris Homes Beautiful. All "UNIT-BUILT" Buildings are completely manufactured in sections at our factory in Chicago and can be assembled on the ground in quick time by inexperienced workmen. There are practically no limitations for which these buildings may be used, but the main purposes for which they were designed are briefly summarized as follows:

No. 1 For the man who intends building a home, but is unable to build the more elaborate type of house. He will find these buildings will make a comfortable, attractive, well-built and practical home in every respect.

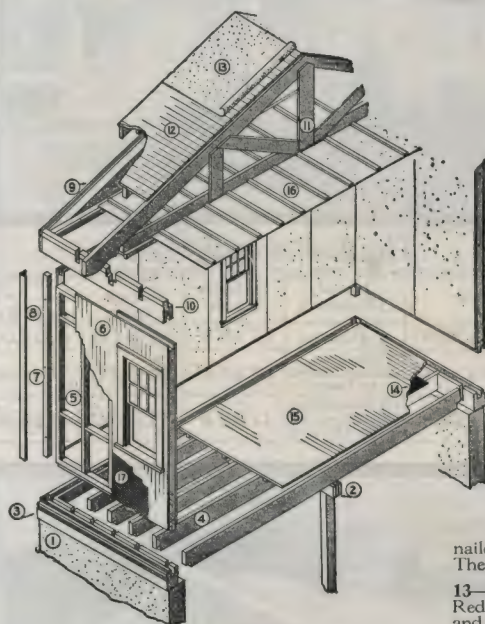
No. 2 For the man in an out-of-way locality, where it is difficult to secure willing and skilled building tradesmen. He will find that these buildings will solve the problem. A complete house can be loaded in a car and shipped direct to your freight station, hauled to your lot, and in many cases erected in not more than 3 or 4 days.

No. 3 For the man who is building a Lakeside Cottage. He will find that the small HARRIS Patented Unit Built Cottage can be erected by himself with the aid of a few friends over a week-end. He can avoid the usual delays and expense connected with buying lumber, engaging carpenters, painters and other workmen to complete his cottage.

No. 4 For the man who intends building a garage (see pages 82 and 83), we can only say that there are more than 25,000 of these HARRIS Patented Garages in the Chicago District alone, sufficient evidence that our success is due to our policy of using first-class material throughout, exceptionally strong methods of construction and many tested patented features, enabling customers to erect their own Buildings in a quick and satisfactory manner.

You need not limit yourself to the Plans and Sizes shown. "Unit-Built" buildings can be furnished in widths to order up to 28 feet, 30 and 32 feet, and lengths to suit your requirements. If you do not find what you want send us a sketch of your plans.

Brief Specifications



6—SIDING: A feature of our Outside Walls is the absence of unsightly joints where units join together, doing away entirely with the appearance of being sectional.

7—CORNER POSTS: Patented. Equivalent to a 4x5 timber. No special corner sections are necessary in our construction.

8—CORNER BOARDS: Made up ready to nail in place covering the corner post.

9—GABLE SECTION: Grooved at bottom to drop down over wall sections, locking same in place, same as No. 10.

10—TOP WALL PLATES: Equivalent to a 4x6 timber, grooved to drop down on wall sections, notched to receive the patented roof truss.

11—ROOF TRUSSES: Patented. An outstanding feature of construction—made ready to drop into notches in top plate, locking the walls in a vise-like grip preventing any spreading of walls, at the same time supporting the roof.

12—ROOF SECTIONS: Manufactured of No. 1 Common Beaded Shiplap Boards, nailed to end strips and center rafter as illustrated. These drop into the notch in the top plate.

13—ROOFING: Roofing supplied is Best Quality Red or Green Slate Surfaced Roofing, with cement and nails.

14—INSULATING PAPERS: The under side of all floor sections has a layer of heavy tarred felt to keep out dampness.

15—FLOOR SECTIONS: 1x4 Clear Fir or Yellow Pine in easily handled units. An exclusive feature of construction is the absence of any joints showing in the middle of the floor.

16—CEILING PANELS: This illustrates the type of ceiling panels furnished when Style "AP" Inside Wall is ordered. Note the heavy reinforcing of the wallboard, these strips are spaced 12 inches apart giving more strength than the usual manner of nailing wall board up against rafters only 16 inches on centers. These panels drop into place between, and rest on the beamed ceiling nailed to the bottom of each truss.

17—CELLU-SEAL insulator lining between framing and siding. A handsome fawn colored board giving a finish that is very attractive and practical.

Prices of "UNIT-BUILT" Buildings

All Harris "UNIT-BUILT" buildings offered in the following pages are priced for No. 1 outside wall construction, and style "AP" Inside Wall construction. Summer Cottages are generally ordered without any inside wall, but all of the better grade buildings are usually ordered with both outside wall and inside wall finish.

No. 1 OUTSIDE WALL is known as "Single Wall" and is usually ordered for Lakeside Cottages—it is "Cellu-Seal" Insulator Lined. The Units are furnished with our regular siding nailed vertically to the framework of same or novelty siding is furnished in standard lengths to be applied on the job; all framing is planed smoothly on all exposed sides, giving a neat finished appearance. When a building is ordered "Single Wall" construction and there are partitions, the frame work of such partitions are covered only on one side with plasterboard. When No. 1 outside wall only is ordered, the windows are trimmed with stop trim, and one side of partition door openings with regular trim. Ceiling panels are not included in any single wall type of house—they can be ordered extra. Three other types of outside wall finishes are offered.

STYLE "AP" INSIDE WALL finish—where inside wall finish is wanted, we recommend Style "AP" Inside Wall Finish. This consists of standard thickness first quality gypsum sheet plasterboard already applied by us on the inside of the walls and on both sides of all partition walls. Joints between sections are to be filled with crack filler furnished free. This makes a smooth wall, better, warmer and cleaner than plaster, and can be painted, calcimined or papered. When Style "AP" wall is ordered, included in the price we quote for same are all the necessary ceiling panels as described in item No. 16 of brief specifications opposite. Interior trim is furnished around all windows and doors. Baseboard, quarter round and ceiling mould are furnished. All stained Mission Brown.

There are several other kinds of inside wall finishes and outside wall finishes offered, which are fully illustrated, priced and described with detailed floor plans in our FREE catalogue No. 38—BA of Harris "UNIT-BUILT" Buildings.

Special Terms

"Unit-Built" Buildings may be purchased on special payment terms as is fully explained in catalogue above referred to.

Prices

Prices quoted herein however, are cash prices, F.O.B. cars Chicago and we will gladly ship to any responsible customer upon payment of one-fourth cash, balance C. O. D.

Oak Park, Ill.

Please find attached check for \$140.00, final payment for the summer cottage recently purchased by me.

I wish to express to your organization my appreciation of the style and material used in our home. Your representative was very courteous and everything was just as he represented it. His untiring efforts in giving us information was very valuable.

(Signed) Jas. M. Brooks.



The Shorewood

Cat. No.	Size	No. of Rooms	Extra for Porch	No. 1 Outside Wall	Extra for Style "AP" Inside Wall
38-B-160	12'5"x20'5"	2	10'x8' \$51.00	\$320.00	\$ 68.00
38-B-161	16'5"x20'5"	3	12'x8' \$61.00	\$414.00	\$ 88.00
38-B-162	20'5"x20'5"	4	16'x8' \$81.00	\$486.00	\$104.00
38-B-163	20'5"x24'5"	4	16'x8' \$81.00	\$554.00	\$118.00

HARRIS UNIT BUILT COTTAGES PATENTED CONSTRUCTION

Completely fabricated buildings come to you in easily handled units. Easily erected by any handy man. Neat, strong and dependable. Manufactured exclusively by us.

Erect one of these attractive cottages near your favorite stream or hunting grounds. Live your carefree holidays, week-end trips and vacations with all the convenience and protection you enjoy at home. Give your family the rest and recreation to fit them for the coming months of hard work and study, away from the smoky, dusty city, out in the clean fresh air of some suburban nook. The "Cellu-Seal" Insulator Lined walls make Harris Unit Built Cottages as warm in winter as they are cool in summer.

NOTE: For Complete detailed description of these cottages, ask for FREE Catalog No. 38-BA.



The Winona

Cat. No.	Size	No. of Rooms	Includes Porch	No. 1 Outside Wall	Extra for Style "AP" Inside Wall
38-B-302	24'5"x16'5"	3 Rooms	12'x6'	\$499.00	\$ 99.00
38-B-303	24'5"x20'5"	4 Rooms	12'x6'	\$585.00	\$117.00
38-B-304	26'5"x24'5"	4 Rooms 2 Closets Cupboard	12'x6'	\$721.00	\$150.00



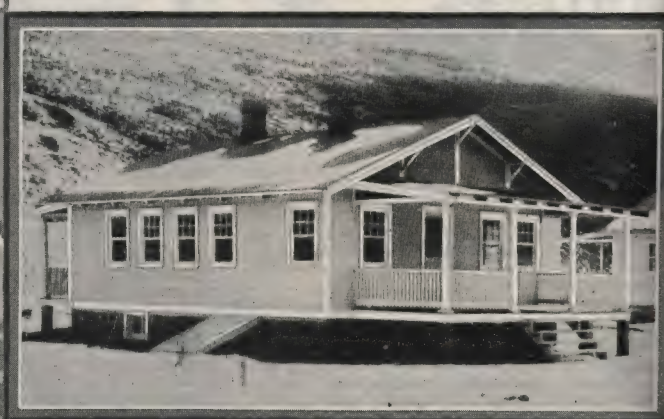
The Lakewood

Cat. No.	Size	No. of Rooms	Includes Porch	No. 1 Outside Wall	Extra for Style "AP" Inside Wall
38-B-179	20'5"x20'5"	4 Rooms	17'x8'6"	\$579.00	\$105.00
38-B-180	20'5"x24'5"	4 Rooms, Dining Alcove or Bath	17'x8'6"	\$639.00	\$144.00
31-B-181	20'5"x28'5"	4 Rooms, Dining Alcove or Bath, 3 Cl's'ts	17'x8'6"	\$731.00	\$164.00



The Glendale

Cat. No.	Size	No. of Rooms	Includes Porch	No. 1 Outside Wall	Extra for Style "AP" Inside Wall
38-B-172	16'5"x28'5"	2 Rooms	16'0"x8'0" Screened	\$ 530.00	\$ 98.00
38-B-173	20'5"x28'5"	3 Rooms	20'0"x8'0" Screened	\$ 628.00	\$118.00
38-B-174	24'5"x24'5"	3 Rooms	24'0"x8'0" Screened	\$ 666.00	\$120.00
38-B-175	24'5"x42'5"	5 Rooms, Bath, Pan-try, 2 Cl's'ts	24'0"x8'0" Screened	\$1123.00	\$232.00



The Medford

Cat. No.	Size	No. of Rooms	Includes 2 Porches	No. 1 Outside Wall	Extra for Style "AP" Inside Wall
38-B-500	24'5"x28'5"	5 Rooms, Bath, 2 Closets, Cupboard	Front 20'x8' Rear 8'x4'	\$891.00	\$166.00
38-B-501	24'5"x30'5"	5 Rooms, Bath, 2 Closets	Front 20'x8' Rear 8'x4'	\$905.00	\$173.00

HARRIS UNIT BUILT COTTAGES PATENTED CONSTRUCTION

Completely fabricated buildings. Come to you in easily handled units. Neat, strong and dependable. Manufactured exclusively by us.

The design and construction of these buildings makes them far superior to any building of their kind on the market. The "Cellu-Seal" Insulator lined walls make Harris Unit Built Cottages as warm in winter as they are cool in summer. The construction is so simple, the written instructions so easily understood that any handy man can erect our Unit Built Buildings.

NOTE: For Complete detailed description of these cottages, ask for FREE Cat. No. 38-BA.



The Edgebrook

Cat. No.	Size	No. of Rooms	Includes Porch	No. 1 Outside Wall	Extra for Style "AP" Inside Wall
38-B-231	20'5" x 24'5"	4 rooms and sun parlor	8'x8' Screened	\$639.00	\$175.00
38-B-232	20'5" x 32'5"	4 rooms, sun parlor, toilet or shower, 2 closets	8'x8' Screened	\$810.00	\$175.00
38-B-233	24'5" x 32'5"	4 rooms, sun parlor, bath, 2 closets and cupboard	8'x8' Screened	\$935.00	\$195.00



The Berkeley

Cat. No.	Size	No. of Rooms	Includes Porch	No. 1 Outside Wall	Extra for Style "AP" Inside Wall
38-B-430	20'5" x 28'5"	5 rooms, bath and 2 closets	10'x6'	\$719.00	\$149.00
38-B-431	22'5" x 30'5"	5 rooms, bath and 2 closets	10'x6'	\$797.00	\$165.00
38-B-432	24'5" x 32'5"	5 rooms, bath, 2 closets and cupboard	10'x6'	\$910.00	\$188.00



The Kenilworth

Cat. No.	Size	No. of Rooms	Includes Porch	No. 1 Outside Wall	Extra for Style "AP" Inside Wall
38-B-250	20'5" x 30'5"	5 rooms, bath and 2 closets	16'x8'	\$791.00	\$161.00
38-B-251	24'5" x 36'5"	6 rooms, bath, 3 closets and cupboard	16'x8'	\$1047.00	\$218.00



The Orleans

Cat. No.	Size	No. of Rooms	Includes Porch	No. 1 Outside Wall	Extra for Style "AP" Inside Wall
38-B-441	36'5" x 24'5"	5 rooms, bath and 2 closets	20'x8'	\$970.00	\$213.00
38-B-442	40'5" x 24'5"	5 rooms, bath, vestibule, 2 closets, pantry	24'x8'	\$1113.00	\$225.00

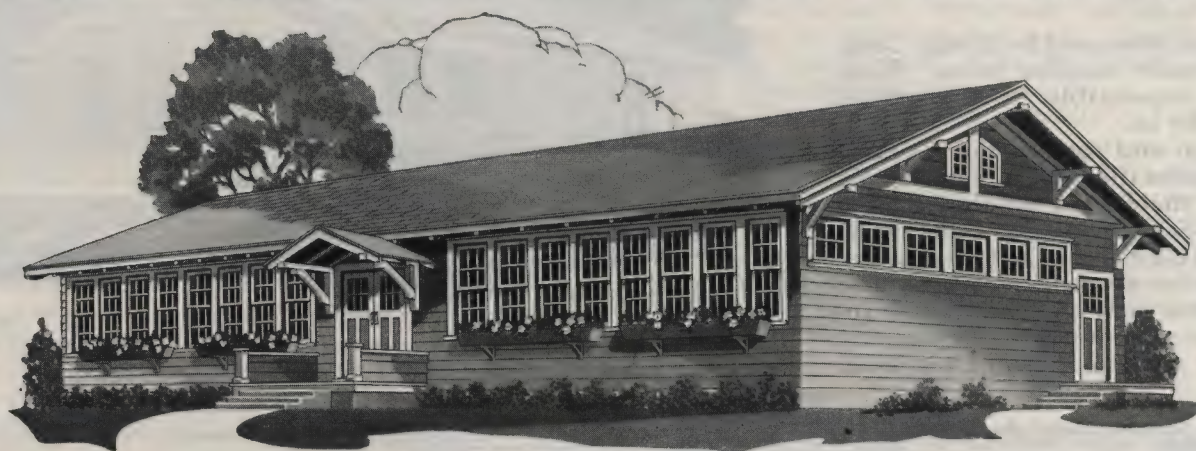


The Geneva

Cat. No.	Size	No. of Rooms	Includes Porch	No. 1 Outside Wall	Extra for Style "AP" Inside Wall
38-B-237	20'5" x 28'5"	4 rooms, 2 closets	8'x12' Screened	\$697.00	\$139.00
38-B-238	24'5" x 32'5"	4 rooms, bath, closet, cupboard	16'x8' Screened	\$935.00	\$181.00

HARRIS UNIT BUILT SCHOOLHOUSES

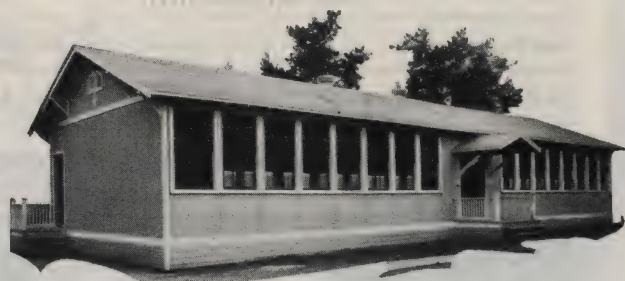
Built to Comply with State School Building Code!



Two Room Harris Schoolhouse—Capacity 100 Pupils



*Two Room Harris Schoolhouse
Capacity 80 Pupils*



*Two Room Harris Schoolhouse
Capacity 80 Pupils*



*One Room Harris Schoolhouse
Capacity 40 Pupils*

STRONGEST CONSTRUCTION

PLENTY OF LIGHT AND AIR
TELL US WHAT YOU NEED
OUR EXPERTS WILL ASSIST YOU!

MANY districts have saved hundreds of dollars by erecting a Harris Patented UNIT-BUILT SCHOOLHOUSE. An unexpected increase in pupils at the beginning of a term without building accommodations can easily be remedied with a Unit-Built school. Write us the size building you need and how many pupils to take care of and we will immediately send you plans and quotations and gladly assist in your problem.

Liberal Selling Plan

We will arrange terms to suit your requirements—Tell us how you wish to handle your payments and we will make satisfactory terms.

Easily Erected

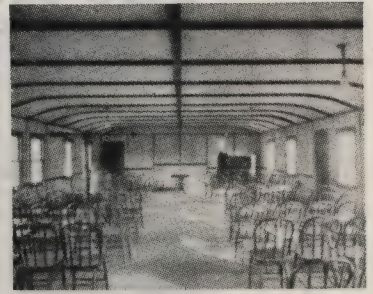
Harris Patented Unit-Built School Buildings are the easiest erected of any similar buildings on the market today. The job is just as easy as erecting a small cottage, or garage, excepting, of course, that it takes more time; the system is the same, although the units are larger to allow for the increased ceiling heights necessary by various state school laws.

Where traveling expense is not too great, it might be well to let us figure on the job erected, but this is not absolutely necessary.

Churches and Community Buildings

As Low as **\$987** For a Building
24' 5" x 36' 5"

CHURCHES and community buildings are furnished with various kinds of inside and outside wall finishes as described in our free catalogue 38-B-A, giving full detailed construction information on all our **UNIT-BUILT** buildings. Greater widths up to 32 ft. can now be furnished—tell us what you prefer.



INTERIOR VIEW "VAULTED" or "ARCHED" CEILING—For Churches, Halls and Community Buildings, increasing ceiling height to 8' 11". Other ceiling heights up to 12 feet.



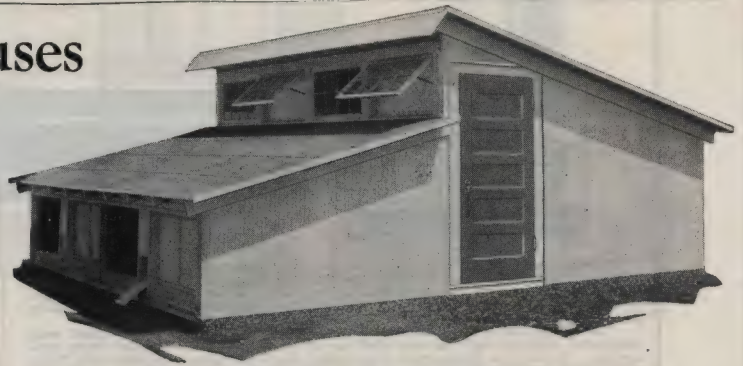
The building above is a Patented **UNIT-BUILT** Church, erected by us for the Catholic Diocese of Chicago at Mount Greenwood, Ill. It is quite an imposing building and built in the shape of a cross. It is 84'-5" long and 76'-5" wide overall. The small building to the right of the church is a Harris **UNIT-BUILT** Cottage.

Harris **UNIT BUILT** Poultry Houses

Start with a small Unit—more Units may be added as your Flock increases

Easily Erected

Factory made, in easily handled units. Anyone that is handy can erect these buildings in a first class workmanlike manner. Low in price by reason of quantity production. Made on steel templates with automatic labor saving machinery. To build as good a building with as good material by hand labor on your premises, would cost easily 33 1/3 to 50% more. Order one of these buildings and be convinced and remember there are over 25,000 Unit Made Buildings in the Chicago district alone.



The "Winner"—Semi-Monitor Design

Height Front 40", at Middle 8'6"; at Rear 4 to 6 ft. depending on depth

The "Winner" Semi-Monitor House, is large and roomy, perfectly ventilated, with plenty of scratching space and a warm comfortable roost at the rear. Front openings of scratching pen are covered with 1" mesh chicken wire, back of which are muslin covered swing-in sash, hung up on the roof inside. The large door makes it convenient for cleaning. Windows at the top are glazed with clear strong glass, every other window hinged at the top to swing out. In addition, each hinged window has a muslin covered, swing-in sash behind it, preventing strong drafts when outside windows are open. They swing up under the roof when not in use. Outside walls are matched lumber, of Clear Fir; roof of 1" matched lumber, covered with our guaranteed slate surfaced roofing. Inside walls and underside of roof are lined with "Cellu-Seal" described on page 121.

Our poultry houses are built without floors, as locations and climatic conditions govern the type of floor to be installed.

Cat. No.	Length	Depth	Price	Cat. No.	Length	Depth	Price
38-B-1201	12'6"	16'6"	\$139.00	38-B-1214	24'6"	20'6"	\$242.00
38-B-1202	16'6"	16'6"	167.00	38-B-1215	28'6"	20'6"	271.00
38-B-1203	20'6"	16'6"	194.00				
38-B-1204	24'6"	16'6"	221.00	38-B-1221	12'6"	24'6"	168.00
38-B-1205	28'6"	16'6"	270.00	38-B-1222	16'6"	24'6"	198.00
				38-B-1223	20'6"	24'6"	229.00
38-B-1211	12'6"	20'6"	156.00	38-B-1224	24'6"	24'6"	259.00
38-B-1212	16'6"	20'6"	185.00	38-B-1225	28'6"	24'6"	289.00
38-B-1213	20'6"	20'6"	212.00				

The above depth sizes include 8 feet for scratching pen.

COOL IN SUMMER—WARM IN WINTER

The secret of profitable poultry breeding is in keeping fowls comfortable at all times, in dry, well ventilated houses that provide an abundance of fresh air and sunshine and ample space for exercise. Healthy vigorous fowls and large size eggs command highest market prices.

An extensive scientific survey of poultry houses and poultry raising is responsible for the design of Harris Unit-Built Poultry Houses, with all the desirable features found in the houses of successful poultry fanciers everywhere, plus our exclusive specially anti-vermin treated "Cellu-Seal" for walls and roof, which prevents drafts and sudden temperature changes.

Start now. A 12'6" x 16'6" house accommodates 30 to 40 fowls; as your flock increases, more units may be added, as our buildings are designed for indefinite expansion.

Standard Design

The "STANDARD," a perfect all purpose house, sanitary, with new improvements, including our "Cellu-Seal" lining. Warm and dry in coldest weather—makes an ideal brooder or house for laying hens. The large windows admit plenty of sunshine and air, the important requirements for raising healthy poultry. Every other upper window swings out, and has a muslin covered swing-in sash in back of it. Houses are designed to allow 4' (square) of space for each fowl. Wall and roof construction is the same as in our "WINNER" Design.

Erection

Each building is furnished complete in sections with easily understood blue prints and instructions. The average size poultry house can be erected by two men in one day's time. Comes to you in sections, ready to be bolted together, to form a complete building.

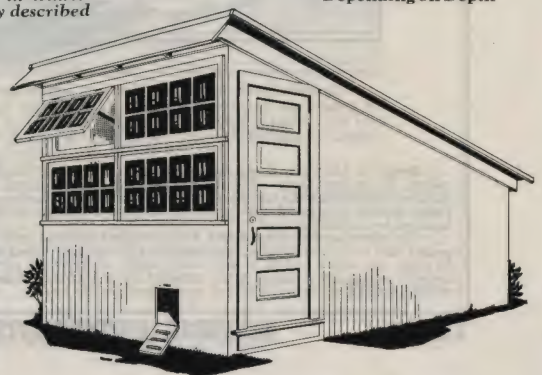
"Cellu-Seal" Insulation

Harris Unit-Built Poultry Houses are lined (walls and roof) with our Patented specially anti-vermin treated "Cellu-Seal" Insulator Lining. This insulation prevents quick temperature changes, and keeps the house warm in winter and cool in summer. "Cellu-Seal" fully described on page 121.

Prices and Specifications of "Standard" Design

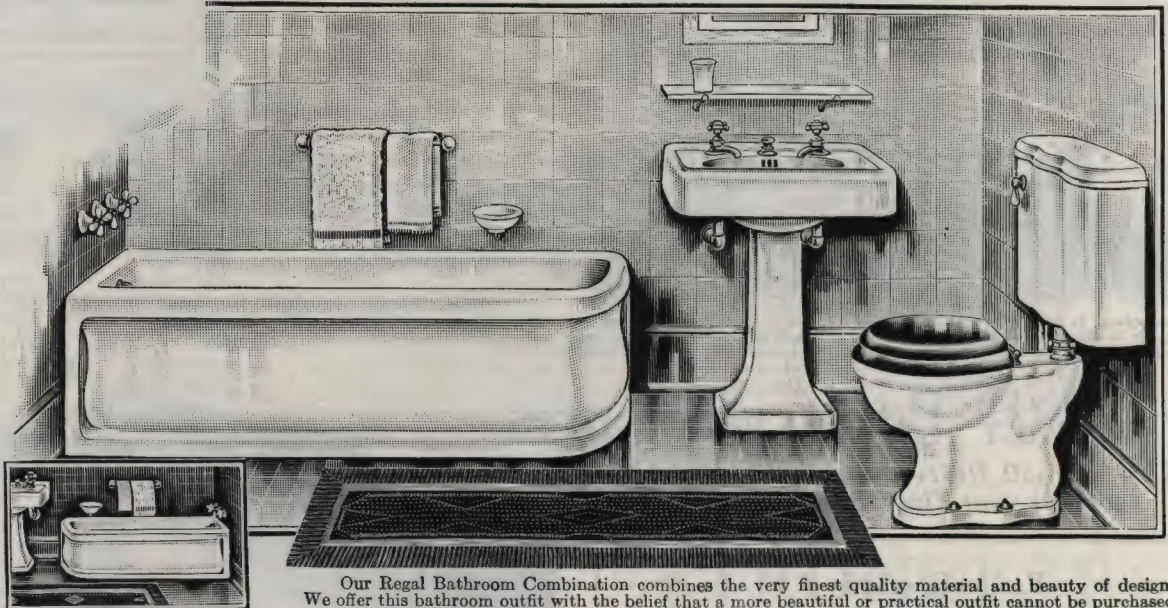
Cat. No.	L'gh	Depth	Price
38-B-1100	8'6"	8'6"	\$ 82.00
38-B-1101	12'6"	8'6"	108.00
38-B-1102	16'6"	8'6"	129.00
38-B-1103	20'6"	8'6"	155.00
38-B-1104	24'6"	8'6"	177.00
38-B-1105	28'6"	8'6"	198.00
38-B-1110	8'6"	12'6"	99.00
38-B-1111	12'6"	12'6"	122.00
38-B-1112	16'6"	12'6"	148.00
38-B-1113	20'6"	12'6"	171.00
38-B-1114	24'6"	12'6"	197.00
38-B-1115	28'6"	12'6"	222.00
38-B-1121	12'6"	16'6"	137.00
38-B-1122	16'6"	16'6"	164.00
38-B-1123	20'6"	16'6"	188.00
38-B-1124	24'6"	16'6"	215.00
38-B-1125	28'6"	16'6"	242.00

Height of Front 8'6",
Rear 4 to 6 foot
Depending on Depth



The "Standard" Poultry House—Size 8'6"x8'6"

The Regal Bathroom Combination



Our Regal Bathroom Combination combines the very finest quality material and beauty of design. We offer this bathroom outfit with the belief that a more beautiful or practical outfit cannot be purchased at any price.

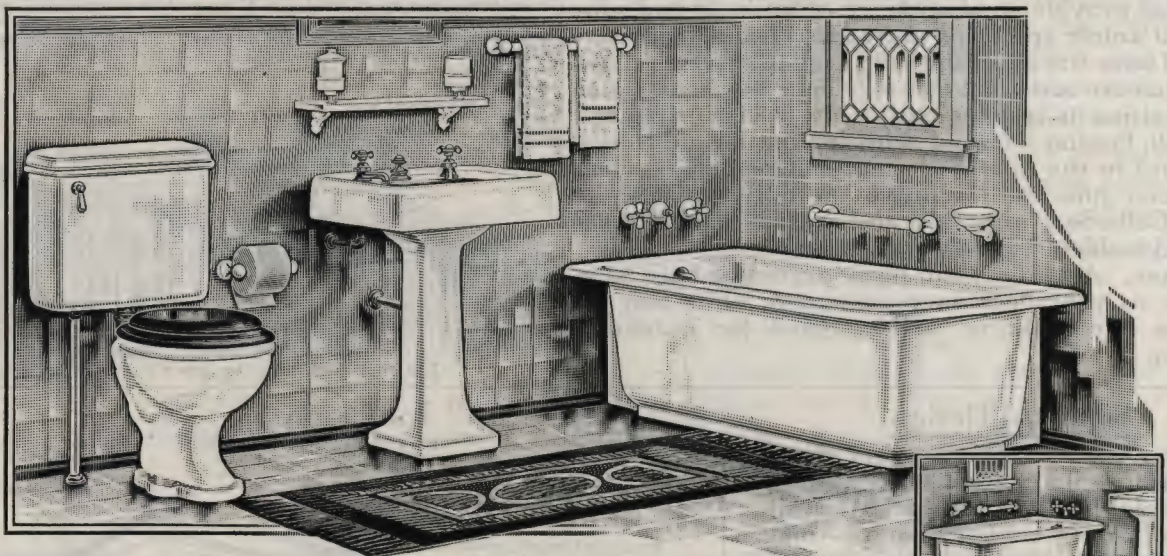
Pedestal lavatory designed with massive Colonial base and slab size 20 x 24 inches, 31 inches high. The base and slab are enameled with white porcelain enamel, furnished with nickel-plated Pop-up waste and nickel-plated supply pipes, nickel-plated trap and cast brass nickel-plated faucets with white china handles, indexed hot and cold.

The closet outfit is furnished with a white vitreous china tank, fitted with compound ball cock and nickel-plated supply pipe, nickel-plated offset flush connection. Syphon jet silent action closet bowl, made of vitreous earthenware, fitted with heavily constructed closet seat, finished in a highly polished Mahogany, heavy nickel-plated bar hinge to attach seat direct to the bowl.

The bath tub is deep apron cornered type, 5 ft. long, cast in one piece of the finest quality gray cast iron, enameled inside and out. The back and one end of the tub are finished into the wall and the base is finished into the floor. The fittings furnished are of the concealed type built into the wall. The supply pipes and lifting waste are equipped with white china handles and escutcheons. The bath tub can be furnished for either right or left hand corner. Be sure to specify the style tub you desire when ordering this outfit.

5-B-1209. The Regal Bathroom Outfit, complete as described. **\$125.00**

Duchess Bathroom Combination



Duchess Bathroom Combination assembled with utmost care to embody every necessary requirement for a modern bathroom outfit. The fixtures furnished are of the finest quality material and workmanship and we consider this outfit second only to our Regal Bathroom Outfit, in that the tub is the roll rim type instead of the deep apron. With this exception, the outfit is of the same high quality as the Regal Combination.

Pedestal Lavatory designed with Massive Colonial Base and Slab — 20 x 24 inches, 31 inches high. The base and slab are enameled with white porcelain enamel, furnished with nickel-plated Pop-up waste and nickel-plated supply pipes, nickel-plated traps and cast brass nickel-plated faucets with white china handles, indexed hot and cold.

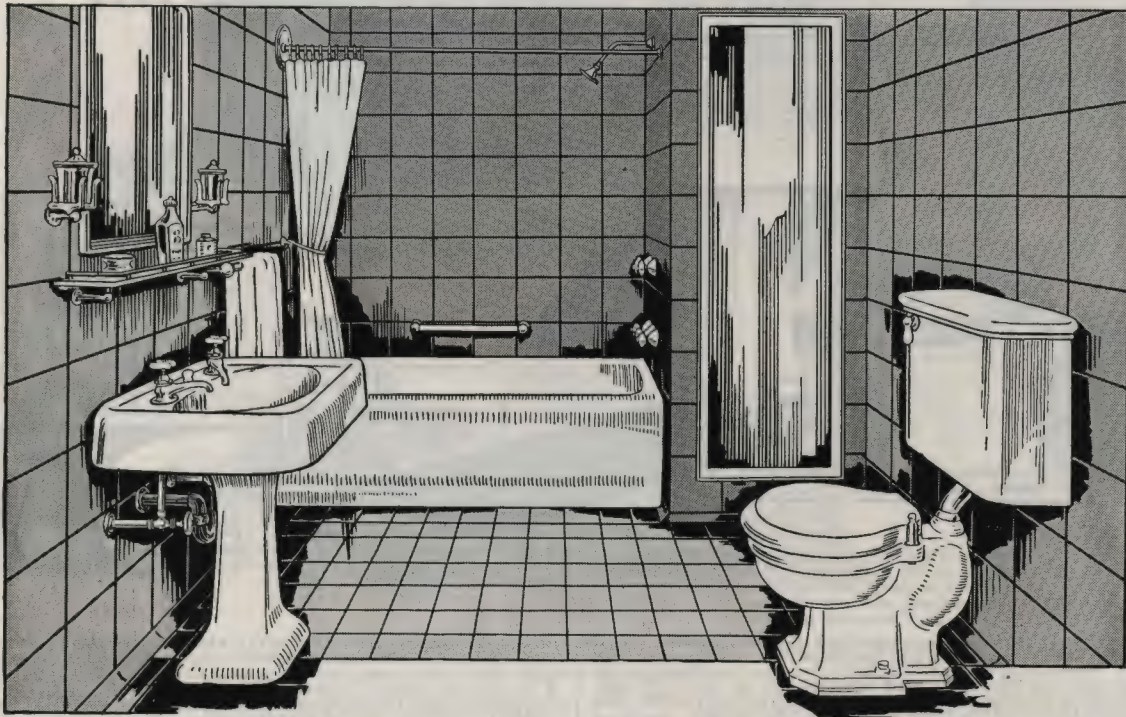
The closet outfit is furnished with a white vitreous closet tank fitted with compound ball cock and nickel-plated supply pipe, nickel-plated offset flush connection. Syphon jet silent action closet bowl, made of vitreous earthenware, fitted with heavily constructed closet seat, finished in a highly polished Mahogany, heavy nickel-plated bar hinge to attach seat direct to the bowl.

The bath tub is the roll rim corner type, 5 ft. long, cast in one piece of the finest quality gray cast iron, enameled inside and out with white porcelain enamel. The back and one end of the tub are finished into the wall and the base is finished into the floor. The fittings furnished are the concealed type built into the wall.

The supply pipes and lifting waste are equipped with white china handles and escutcheons. Tub can be furnished for either right or left corner. Be sure to specify style tub you desire when ordering the outfit.

5-B-1210. The Duchess Bathroom Outfit, complete as described. **\$115.00**

De Luxe Bathroom Combination



6-B-1211 The Bath Tub is 5 feet long. All exposed parts enameled with white porcelain enamel. The fittings are the concealed bath and shower fixtures, nickel plated curtain rods, pins and hold-back hooks. Full size curtain made of heavy material.

The closet outfit is white vitreous earthenware. Tank and syphon jet action

bowl is all made of white vitreous earthenware, fitted with heavily constructed pearl white closet seat.

The pedestal lavatory is 20 inches by 24 inches and 31 inches high. The base and slab are enameled with white porcelain enamel and furnished with nickel plated faucets with all china handles indexed hot and cold. Nickel plated wheel stops and supplies and pop-up waste with china knob.

De Luxe Bathroom Outfit, complete as described..... **\$150.00**

Princess Bathroom Combination



The lavatory is of Colonial design, straight front, deep apron type, size 18 x 24 inches. The fittings consist of nickel-plated faucets with crossed handles, indexed for hot and cold water, nickel-plated brass supply pipes to the wall and nickel-plated brass "P" trap.

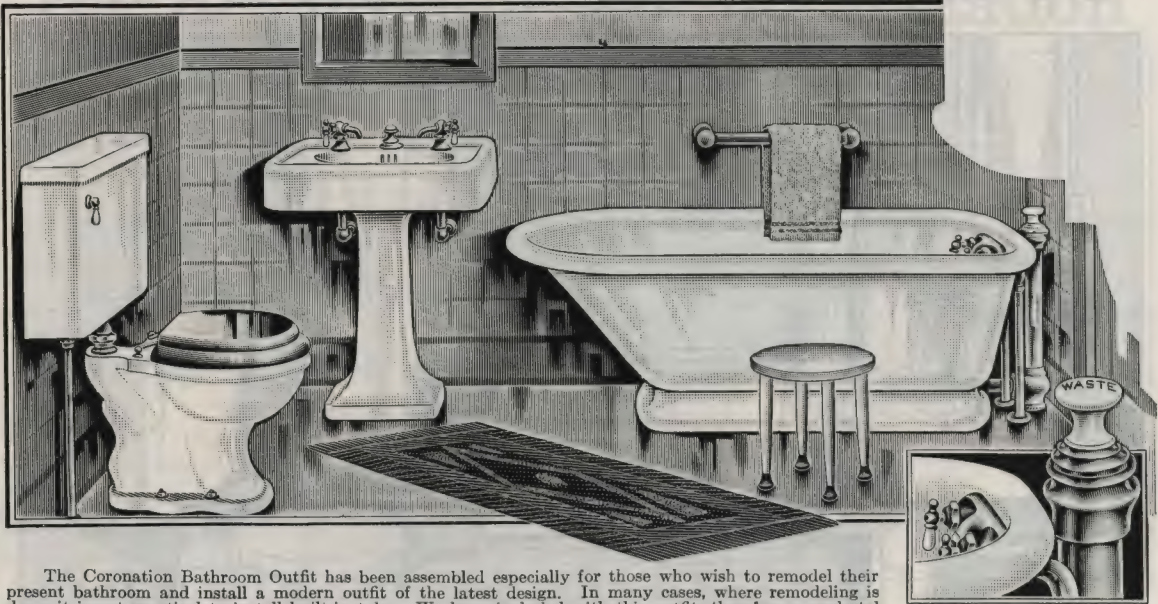
The closet outfit includes a white vitreous china tank, fitted with compound ball cock, nickel-plated supply pipe and nickel-plated brass connecting ell. The bowl is the wash-down Syphon action type, made of vitreous earthenware, fitted with heavily constructed closet seat, finished in a highly polished Mahogany, heavy nickel-plated bar hinge to attach seat direct to bowl.

Our Princess Bathroom Combination has been selected to supply the demand for an up-to-date sanitary bathroom outfit, where space is limited and where an inexpensive outfit is desired. In this combination we offer a strictly modern outfit with a built-in tub at a very low price.

The tub is of the roll rim corner type, 5 ft. long, cast in one piece of the finest quality gray iron casting, enameled inside and out with white porcelain enamel. Back and one end of the tub finished into the wall and the base is finished into the floor. The fittings are of exposed type and consist of special nickel-plated brass connected waste and overflow with long extension "T" threaded to connect with 1 1/2-inch iron pipe. Nickel-plated brass supply pipes and nickel-plated double bath cock with china handles, indexed for hot and cold water.

6-B-1214. The Princess Bathroom Outfit, complete as described..... **\$85.00**

Coronation Bathroom Combination



The Coronation Bathroom Outfit has been assembled especially for those who wish to remodel their present bathroom and install a modern outfit of the latest design. In many cases, where remodeling is done, it is not practical to install built-in tubs. We have included with this outfit, therefore, a pedestal or base tub, enameled inside and over the rim, which, combined with the pedestal lavatory and syphon jet closet outfit, makes the Coronation a really wonderful bathroom combination.

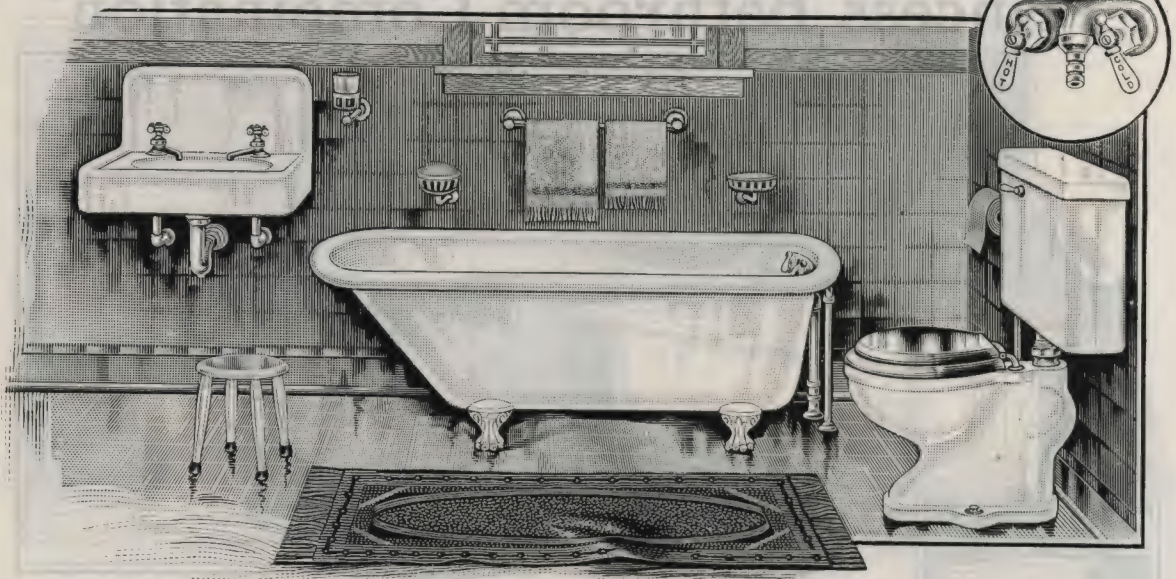
The Bath Tub is cast in one piece, and coated with white porcelain enamel inside and over the rim; it measures 5 ft. long, 30 in. wide, and is made with a 3-in. roll rim. Finest quality fittings are included with the tub, consisting of heavily nickel-plated brass ideal lifting waste, which does away with the troublesome chain and stopper; nickel-plated quick compression double bath cock, with white china handles, indexed for hot and cold water; nickel-plated supply pipes.

The Pedestal Lavatory, designed to match the tub is entirely covered with white porcelain enamel. Size of slab 20x24 inches, with oval bowl 12 x 15 inches and stands 31 inches high. It is fitted with nickel-plated Pop-up waste, nickel-plated supply pipes, nickel-plated trap and nickel-plated faucets with white china handles indexed for hot and cold water.

The Closet Outfit is furnished with a white, vitreous china tank in mission style, and is fitted with compound elevated ball cock and nickel-plated supply pipe. Tank connects to bowl with nickel-plated 2-inch offset flush. The bowl is an improved Syphon Jet silent action type, made of vitreous earthenware and is fitted with a practically indestructible seat and cover, finished in highly polished mahogany. Nickel-plated bar hinges attach the seat direct to bowl.

5-B-325. The "Coronation" Bathroom outfit is furnished complete as described. **\$100.00**

Empress Bathroom Combination



This elegant outfit is designed for those who wish an extra fine bathroom equipment, neat of design and splendid in quality. The three pieces and all fittings to the last detail have been carefully chosen and embodied in a combination suited to the finest home.

The bath tub measures 5 feet long and 30 inches wide and is made with a 3-inch roll rim. Coated on the inside and over the rim with white porcelain enamel. It is furnished complete with nickel-plated compression double bath cock with handles indexed "hot and cold"; nickel-plated connected waste and overflow, supply pipes, chain and rubber stopper.

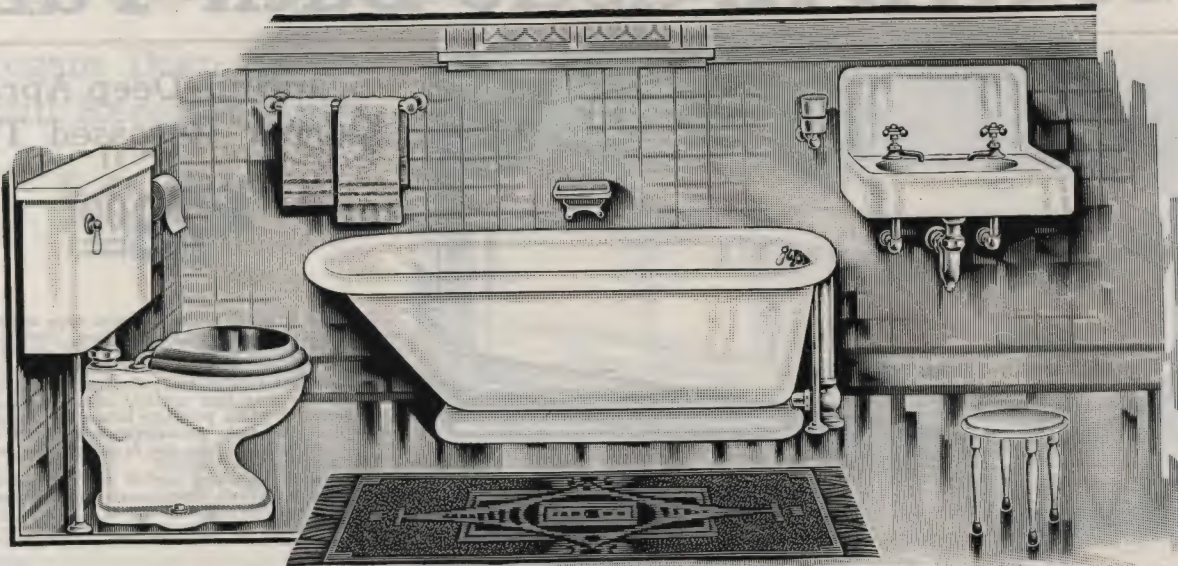
The closet outfit is an improved low down design furnished with Syphon jet silent action white vitreous earthenware bowl. The mahogany finished seat and cover are attached with nickel-plated bar hinges. White porcelain china closet tank, fitted with best trimmings; perfect in action. Nickel-plated offset and supply pipe.

The one-piece lavatory is heavily coated with white porcelain enamel and is made in deep apron style. Measures 18x24 inches with 10-inch back and "D" pattern bowl size 11x14 inches. Fitted with nickel-plated faucets with handles indexed "hot and cold." Nickel-plated supply pipes and "P" trap to wall.

5-B-580. Empress Bathroom combination complete as described for iron pipe connections. **\$73.00**

Shipped complete from Chicago warehouse.

Royal Bathroom Combination



Most prominent of all the desirable features of this combination is the massively designed bath tub with pedestal base. The tub sets flush all around on the floor and eliminates the old-fashioned leg base so difficult to clean under.

The pedestal base bath tub is coated on the inside and over the 3-inch roll rim with white porcelain enamel. Measures 5 feet long and 30 inches wide; fitted with nickel-plated double bath cock with handles indexed for hot and cold water. Nickel-plated supply pipes to floor. The closet outfit consists of a white vitreous earthenware tank fitted with heavy brass and copper interior trimmings. Perfect action.

Syphon jet silent action white vitreous earthenware bowl, highly polished.

Finely finished seat and cover in mahogany; attaches to the bowl with nickel-plated bar hinges. The lavatory measures 18x24 inches. It is unusually attractive in design with 10-inch back. Fitted with compression faucets, indexed for hot and cold water. Nickel-plated supply pipes and "P" trap to wall.

5-B-74. Royal Bathroom combination, complete as described \$80.00 for iron pipe connections.

Countess Bathroom Combination



This desirable bathroom outfit embodies all features of modern plumbing. It is offered to meet the demand for an outfit of very select quality and perfect design. Nothing has been spared in selecting all pieces and best fittings that could possibly be furnished at our big economical prices.

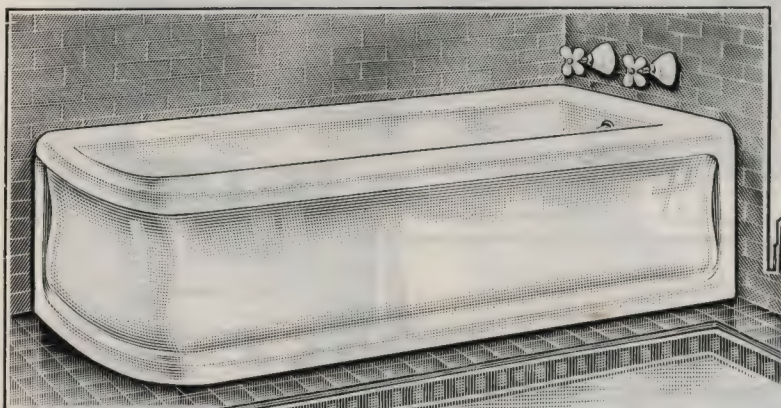
The bath tub furnished is 5 feet long and 30 inches wide; massive and well proportioned. Heavily coated on the inside and over the 3-inch roll rim with white porcelain enamel. Fitted with nickel-plated compression double bath cock indexed for hot and cold water; nickel-plated connected waste and overflow and supply pipes.

The closet outfit includes an improved wash down type vitreous earthenware bowl and plain white vitreous earthenware tank; fitted with Douglas pattern perfect acting valve. All tank fittings are made of heavy brass and copper; operated with China lever in front. The closet seat and cover are highly finished in mahogany and attached to the bowl with nickel-plated bar hinges.

The deep apron lavatory is coated with white porcelain enamel and measures 18x21 inches with 8 inch back and "D" pattern bowl, size 10½x14½ inches. Fitted with two nickel-plated compression faucets with China tops indexed for hot and cold water. Nickel-plated 1½ inch "P" trap to wall.

5-B-67. Countess Bathroom combination, complete as described, for iron pipe connections. \$60.00

Modern Artistic Bath Tubs



Beautiful Deep Apron Corner Recessed Tub

\$72⁰⁰

We offer this tub as the highest type of porcelain enamel ware possible to manufacture. Its beauty of design and special white enameled finish give the bathroom an elegance of appearance impossible to obtain with any other type of tub. Cast in one piece of the finest quality gray iron casting, coated inside and out with beautiful white porcelain enamel. Finished on one side and one end. An allowance of $\frac{1}{2}$ inch is made for finishing into the floor and $\frac{1}{4}$ inch on the back and end for finishing into the wall.

The fittings furnished are of the concealed type. The supply pipes and lifting waste are equipped with white china handles and escutcheons.

Tubs furnished for either right or left corner, made in three sizes:

5-B-1001 —5 ft. long, complete with fittings.....	\$72.00
5-B-1002 —5 ft. 6 ins. long, complete with fittings.....	77.00

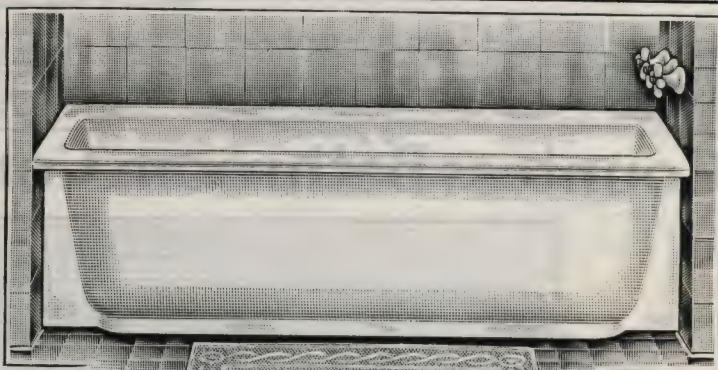
Impressive Built-In Full Recessed Tub

\$48⁰⁰

This tub is all cast in one piece and enameled inside and over the 3 inch flat rim. It is finished with the highest grade porcelain enamel. The back and both ends are built into the wall. An allowance of $\frac{1}{2}$ inch is made on the back and two ends, as well as on the bottom for setting into the floor.

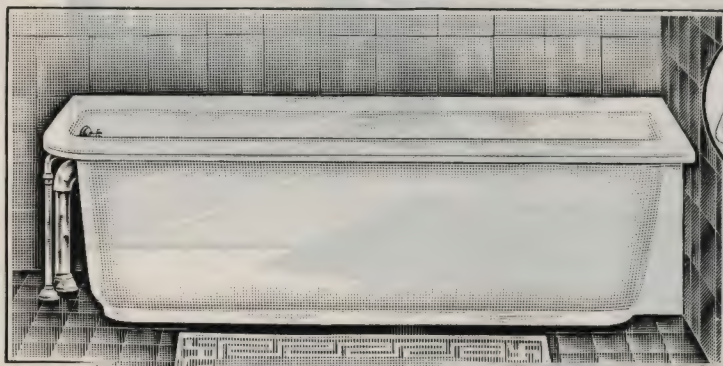
The fittings are the concealed type. The supply pipes and lifting waste are equipped with white china handles and escutcheons. Tubs furnished with outlet at either right or left end. Made in three sizes:

Enameled inside, painted outside	
5-B-1003 —4 ft. 6 ins. long, complete with fittings.....	\$48.00
5-B-1004 —5 ft. long, complete with fittings.....	51.00
5-B-1005 —5 ft. 6 ins. long, complete with fittings.....	56.00



Bath tubs enameled inside and out

5-B-10030 —4 ft. 6 ins. long, complete with fittings.....	\$54.00
5-B-10040 —5 ft. long, complete with fittings.....	56.00
5-B-10050 —5 ft. 6 ins. long, complete with fittings.....	61.00



Attractive Built - In Corner Recessed Tub

\$42⁰⁰

Latest Double
Bath Cock

Built-in corner tub with 3 inch rim enameled inside and over rim, finished with finest quality porcelain enamel. An allowance of $\frac{1}{2}$ inch is made for finishing the back and one end into the wall and $\frac{1}{2}$ inch for finishing tub into the floor. Fitted with double compression nickel-plated bath cock, with china handles, indexed hot and cold, nickel-plated brass connected waste and overflow, nickel-plated brass supply pipes. Furnished for right or left corner.

Enameled inside, painted outside

5-B-1006 —4 ft. 6 ins. long, complete with fittings described.....	\$42.00
5-B-1007 —5 ft. long, complete with fittings described.....	\$45.00
5-B-1008 —5 ft. 6 ins. long, complete with fittings described.....	\$50.00

Finest Quality—Priced Low!

Elegant Deep Apron Full Recessed Tub

\$64⁰⁰

One piece porcelain enameled tub, enameled inside and over the apron with finest quality white porcelain enamel. The back and both ends are finished into the wall and an allowance of $\frac{1}{2}$ inch is made on this tub for finishing.

The fittings furnished are the concealed type. The supply pipes and Ideal lifting waste are equipped with white china handles and escutcheons. Tubs can be furnished with outlet at either right or left end, made in two sizes:



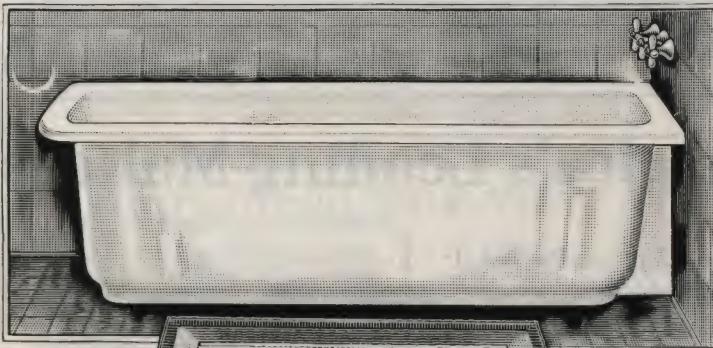
5-B-1009 —4 ft. 6 in. long, complete with fittings.....	\$64.00
5-B-1010 —5 ft. long, complete with fittings.....	67.00
5-B-1011 —5 ft. 6 ins. long, complete with fittings.....	73.00

Neat Built-In Corner Recessed Tub

\$53⁰⁰

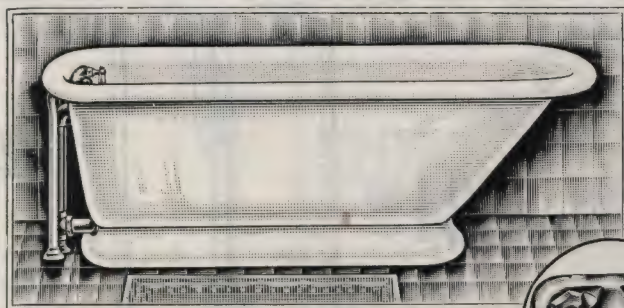
One piece cast iron enameled tub with 3 inch rim, enameled inside with the finest quality white porcelain enamel. An allowance of $\frac{1}{2}$ inch is made on the back and one end of this tub for finishing into the wall.

The fittings are the concealed type. Supply pipes and lifting waste are equipped with white China handles and escutcheons. Tub furnished for either right or left corner, made in three sizes:



Enameled Inside, Painted Outside	
5-B-1012 —4 ft. 6 ins. long, complete with fittings..	\$53.00
5-B-1013 —5 ft. long, complete with fittings.....	56.00
5-B-1014 —5 ft. 6 ins. long, complete with fittings...	61.00

Corner Tub Enameled Inside and Out	
5-B-10120 —4 ft. 6 ins. long, complete with fittings	\$59.00
5-B-10130 —5 ft. long, complete with fittings.....	61.00
5-B-10140 —5 ft. 6 ins. long, complete with fittings.	66.00



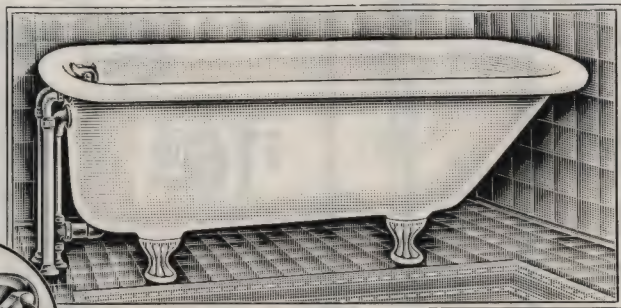
Pedestal Bath Tub

Made of the best grade of gray cast iron enamel, heavily coated with white porcelain enamel inside and over the 3 inch roll rim.

Tub furnished with nickelplated compression bath cock with China handles, indexed hot and cold, nickelplated connected waste and overflow and nickelplated supply pipes.

Tub complete as described, painted outside:

5-B-1015 —4 ft. 6 ins.....	\$40.00
5-B-1016 —5 ft.....	40.00
5-B-1017 —5 ft. 6 ins.....	45.00
Nickelplated standing bath waste and overflow china top for pedestal tubs. Extra.....	\$8.50

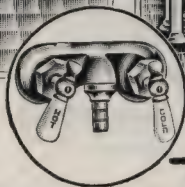


Roll Rim Enameled Tub.

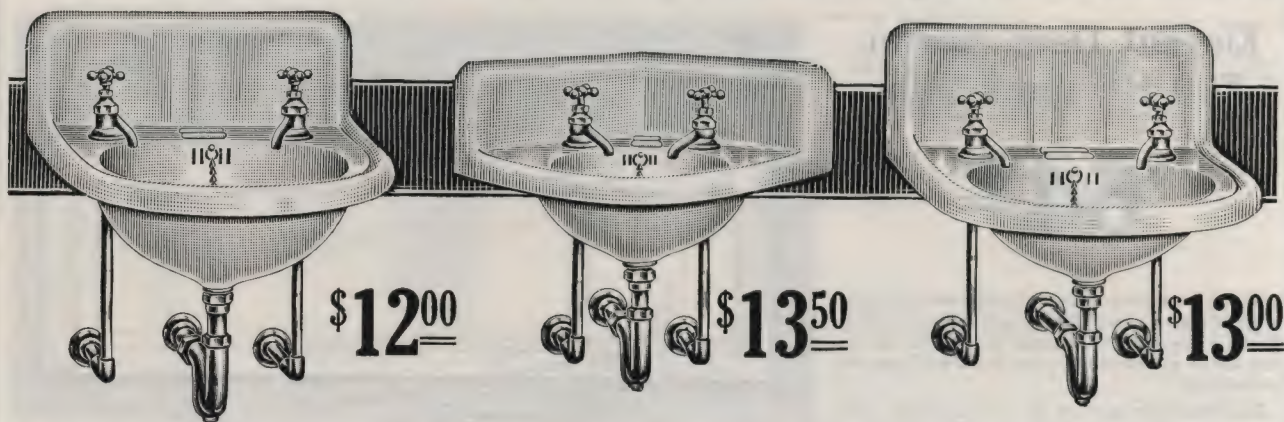
Double bath cock of new design a feature of the regular equipment furnished with our bath tubs.

Made of gray cast iron enameled inside and over the 3 inch roll rim. Tubs measure 30 inches wide and are fitted with nickelplated bathcock, indexed for hot and cold, nickelplated waste and overflow and nickelplated supply pipes.

5-B-1021 —4 ft. 6 ins. long, complete with fittings.....	\$33.00
5-B-1022 —5 ft. long, complete with fittings.....	33.00
5-B-1023 —5 ft. 6 ins. long, complete with fittings.....	36.00
5-B-1024 —6 ft. long, complete with fittings.....	43.00



White Porcelain Enameled Lavatories



Size of Slab, 17x19 inches; bowl, 10½x13½ inches; height of back, 6 inches.

White porcelain enameled one-piece half circled lavatory with "D" pattern bowl. Easily and quickly attached to wall with concealed wall hangers furnished. Fitted complete with two low down compression faucets with China tops marked "hot and cold." Nickel-plated 1½ inch "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-B-403. Complete as described with iron pipe connections. **\$12.00**

Length on sides, 16¾ inches; bowl, 10½x13½ inches; height of back, 6 inches.

White porcelain enameled one-piece roll rim corner lavatory with "D" pattern bowl. Easily attached to wall with concealed wall hangers furnished. Fitted complete with nickel-plated low down compression faucets with China tops marked "hot and cold." Nickel-plated 1½ inch "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

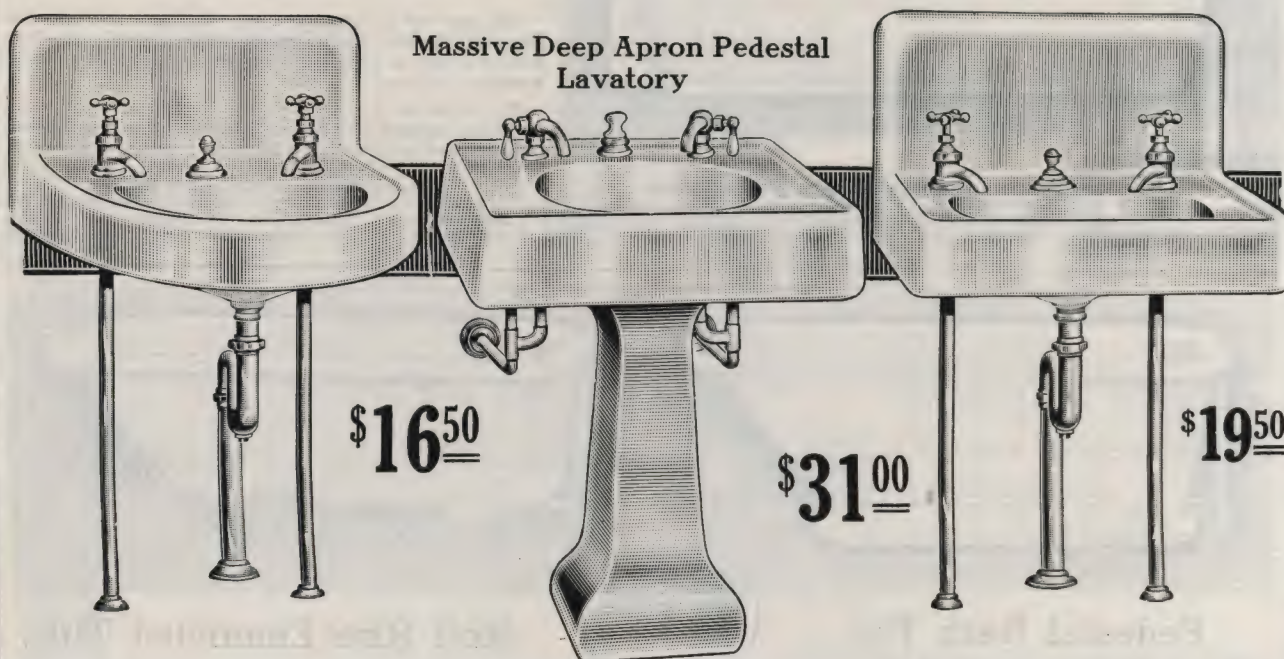
5-B-603. Complete as described with iron pipe connections. **\$13.50**

Size of Slab, 18x21 inches; bowl, 10½x14½ inches; height of back, 8 inches.

White porcelain enameled one-piece roll rim half circled lavatory with "D" pattern bowl. Easily hung with concealed wall hangers furnished. Fitted complete with two low down compression faucets with China tops marked "hot and cold." Nickel-plated 1½ inch "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-B-482. Complete as described with iron pipe connections. **\$13.00**

The Product of America's Leading Makers



Size of Slab, 18x21 inches; bowl, 10½x14½ inches; height of back, 8 inches.

White porcelain enameled one-piece half circled deep apron lavatory with "D" pattern bowl. Quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with two low down compression faucets with China tops marked "hot and cold." Nickel-plated 1½ inch "S" trap, supply pipes with flanges to floor. Nickel-plated lifting waste with China index.

5-B-423. Complete as described with iron pipe connections. **\$16.50**

Size of Slab, 20x24 inches; oval bowl, 11x15 inches; height of lavatory, 31 inches.

White porcelain enameled one-piece pedestal lavatory with oval bowl. Supported on a massive, properly proportioned white enameled pedestal. Fitted complete with nickel-plated model lifting waste with China knob and two fuller faucets with China handles, "hot and cold." Nickel-plated supply pipes and 1½ inch "P" trap to wall. This is an impressive lavatory and will give your bathroom a rich appearance.

5-B-98. Complete as described with iron pipe connections. **\$31.00**

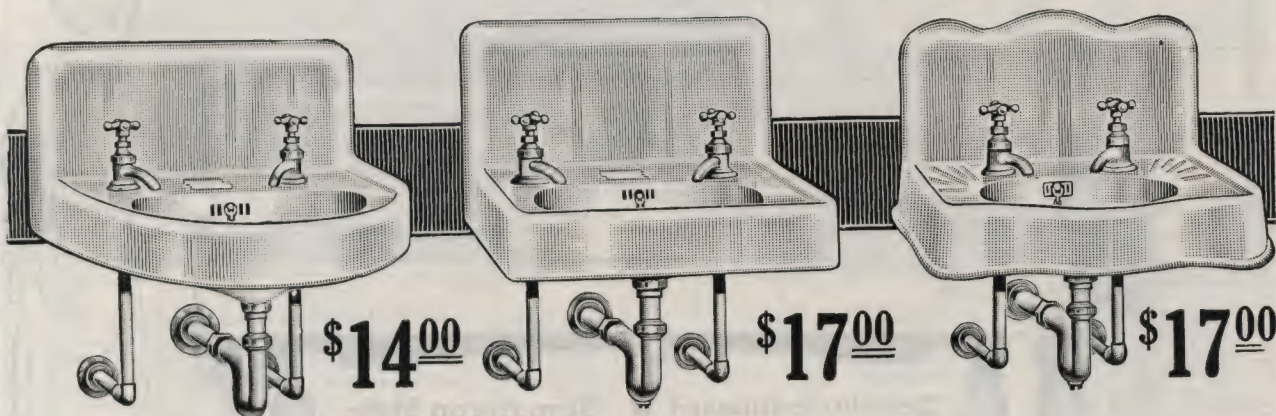
5-B-99. Lavatory as described without lifting waste. **\$28.50**

Size of Slab, 18x24 inches; bowl, 11x15 inches; height of back, 10 inches.

White porcelain enameled one-piece square deep apron lavatory with "D" pattern bowl quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with nickel-plated model lifting waste with China index and two compression faucets with China tops, marked "hot and cold." Nickel-plated 1½ inch "S" trap, supply pipes with flanges to floor.

5-B-443. Complete as described with iron pipe connections. **\$19.50**

Priced Unusually Low for Big Economy



Size of Slab, 18x21 inches; bowl, 10 $\frac{1}{2}$ x14 $\frac{1}{2}$ inches; height of back, 8 inches.

White porcelain enameled one-piece half circled deep apron lavatory with "D" pattern bowl. Quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with two nickel-plated low down compression faucets with China tops marked "hot and cold." 1 $\frac{1}{4}$ inch nickel-plated "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-B-413. Complete as described with iron pipe connections..... **\$14.00**

Size of Slab, 18x24 inches; bowl, 11x15 inches; height of back, 10 inches.

White porcelain enameled one-piece square deep apron lavatory with "D" pattern bowl. Easily attached to wall with concealed wall hangers furnished. Fitted complete with two nickel-plated compression faucets with China tops marked "hot and cold." 1 $\frac{1}{4}$ inch nickel-plated "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-B-313. Complete as described with iron pipe connections..... **\$17.00**

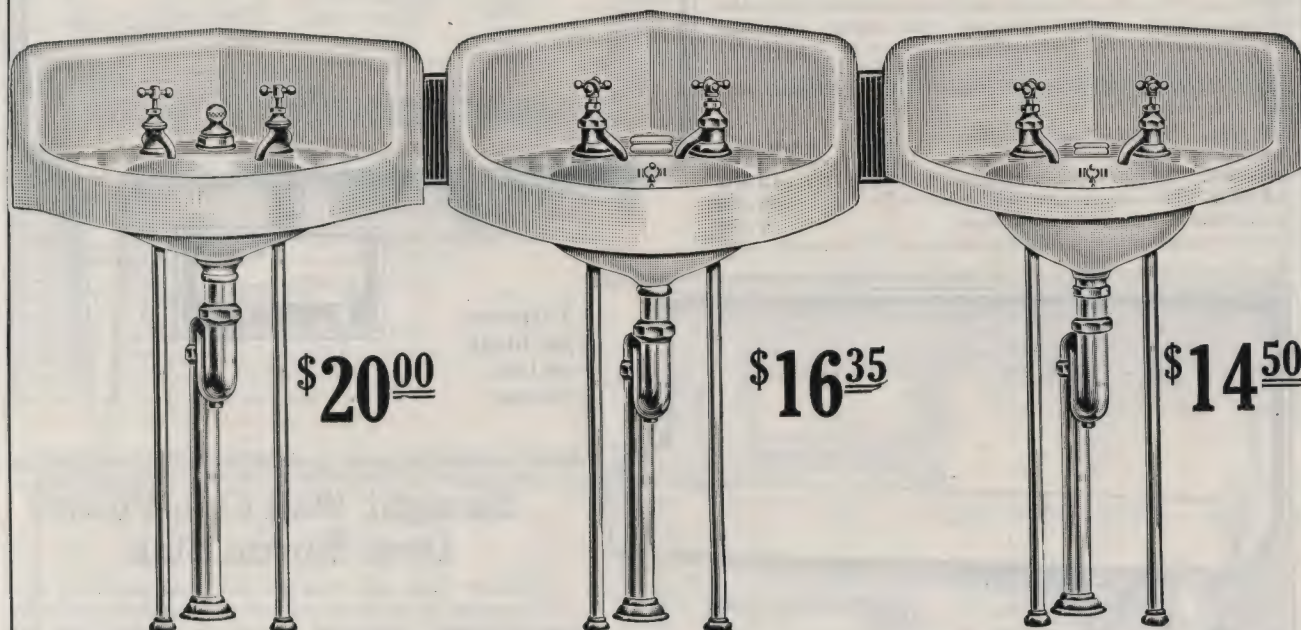
5-B-314. Lavatory size 20x24 inches with fittings as described above..... **\$20.00**

Size of Slab, 18x24 inches; bowl, 11x15 inches; height of back, 10 inches.

White porcelain enameled one-piece shapely serpentine deep apron lavatory with "D" pattern bowl. Easily attached to wall with concealed wall hangers furnished. Fitted complete with two nickel-plated compression faucets with China tops marked "hot and cold." 1 $\frac{1}{4}$ inch nickel-plated "P" trap, supply pipes with flanges to wall. Nickel-plated chain and rubber stopper.

5-B-494. Complete as described with iron pipe connections..... **\$17.00**

Guaranteed in Every Way to Completely Satisfy



Length on sides, 20 inches; bowl, 11x15 inches; height of back, 8 inches.

White porcelain enameled one-piece deep apron corner lavatory with "D" pattern bowl. Supported on concealed wall hangers which are furnished. Fitted complete with nickel-plated model waste with China Index and two compression faucets with China tops marked "hot and cold." 1 $\frac{1}{4}$ inch nickel-plated "S" trap, supply pipes with flanges to floor.

5-B-643. Complete as described with iron pipe connections..... **\$20.00**

Length on sides, 20 inches; bowl, 11x15 inches; height of back, 8 inches.

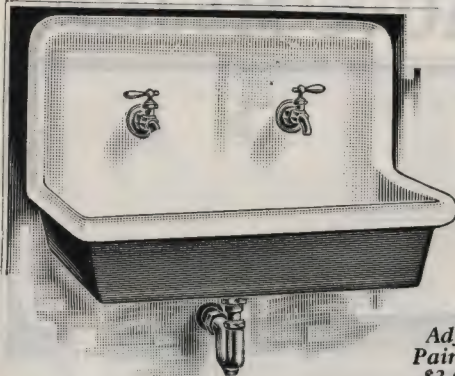
White porcelain enameled one-piece deep apron corner lavatory with "D" pattern bowl, quickly and easily attached to wall with concealed wall hangers furnished. Fitted complete with nickel-plated compression faucets with China tops marked "hot and cold." Nickel-plated 1 $\frac{1}{4}$ inch "S" trap, supply pipes with flanges to floor. Nickel-plated chain and rubber stopper.

5-B-623. Complete as described with iron pipe connections..... **\$16.35**

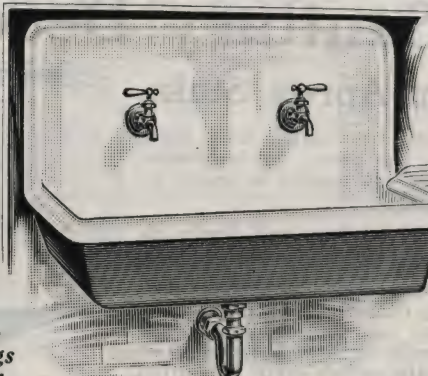
Length on sides, 16 $\frac{1}{2}$ inches; bowl, 10 $\frac{1}{4}$ x14 $\frac{1}{2}$ inches; height of back, 6 inches.

White porcelain enameled one-piece roll rim corner lavatory with "D" pattern bowl. Supported on concealed wall hangers furnished. Fitted complete with nickel-plated low down compression faucets with China tops marked "hot and cold." Nickel-plated 1 $\frac{1}{4}$ inch "S" trap, supply pipes with flanges to floor. Nickel-plated chain and rubber stopper.

5-B-613. Complete as described with iron pipe connections..... **\$14.50**



Two
Adjustable
Painted Legs
\$3.00 Extra



One-Piece Sink
Fitted With
Enameled
Drainboard



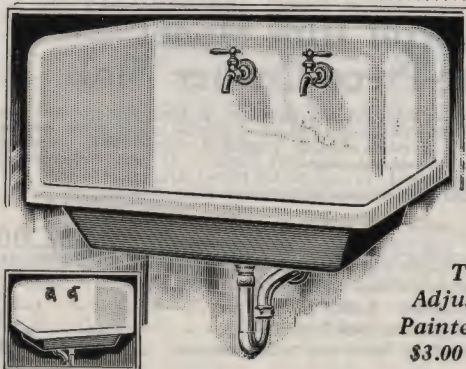
Made of smooth gray iron heavily coated on the inside and over the rim and back with white porcelain enamel; very neat, attractive and easy to clean. Furnished complete with two nickel-plated $\frac{1}{2}$ -inch flanged plain faucets, nickel-plated sink strainer and $1\frac{1}{2}$ -inch lead "P" trap to wall. Attached to wall with concealed wall hangers.

Prices Without Drainboard

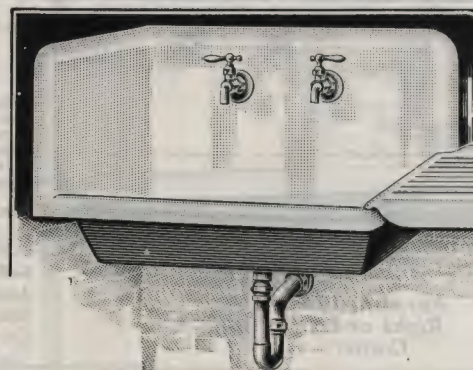
Number.	Size of Sink.	Price.
5-B-1631.	18x24 inches.....	\$14.50
5-B-1632.	20x24 inches.....	15.00
5-B-1635.	18x30 inches.....	15.50
5-B-1639.	20x30 inches.....	16.50
5-B-1643.	20x36 inches.....	18.50
5-B-1644.	22x36 inches.....	20.00
5-B-1645.	22x42 inches.....	22.00

Complete With Drainboard

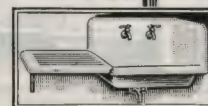
Number.	Size of Sink.	Size of Drainboard.	Price.
5-B-1675.	18x24 inches.	18x20 inches.....	\$19.00
5-B-1677.	20x24 inches.	20x20 inches.....	21.00
5-B-1679.	18x30 inches.	18x24 inches.....	20.50
5-B-1681.	20x30 inches.	20x24 inches.....	22.00
5-B-1683.	20x36 inches.	20x24 inches.....	24.00



Two
Adjustable
Painted Legs
\$3.00 Extra



Corner Sink
With Enameled
Drainboard



Heavily coated with white porcelain enamel on the inside and over the rim and back; no crevices or corners to catch the dirt. Back and end piece are 12 inches high. Furnished complete with nickel-plated strainer, $\frac{1}{2}$ -inch nickel-plated faucets and $1\frac{1}{2}$ -inch lead "P" trap to wall. Attached to wall with substantial concealed wall hangers.

Prices Without Drainboard

5-B-1633.	Furnished complete as described, size 20x24 ins.....	\$20.00
5-B-1634.	Furnished complete as described, size 20x30 ins.....	21.75
5-B-1636.	Furnished complete as described, size 20x36 ins.....	24.00

Complete With Drainboard

5-B-1676.	Furnished complete as described, size 20x24 ins.....	\$26.00
5-B-1680.	Furnished complete as described, size 20x30 ins.....	28.00
5-B-1682.	Furnished complete as described, size 20x36 ins.....	30.00

If you intend to install the sink yourself, specify iron pipe connection and add 75c to prices above.

**Frost-Proof
Closet**

\$28⁵⁰

Complete
as Shown

5-B-1900.

Valve action is free and easy, allowing full capacity of tank to flush the bowl, unobstructed by interior parts. Separate valves make it easy to adjust and safe and sure from frost and leaks. A slight pressure on the seat operates the valve and gives a full pressure of water to flush the bowl clean. Always clean, sanitary and odorless. Can be put in a very small space. This outfit as illustrated, complete,

as shown.....**\$28.50**



Chemical Indoor Toilet

Better
than
Any Other

\$6⁹⁵

Try It
for
30 Days

The Guarantee

The Harris Chemical Indoor Closet to be the most efficient toilet of its kind—absolutely odorless and sanitary, exactly as described on this page.
HARRIS BROTHERS CO.

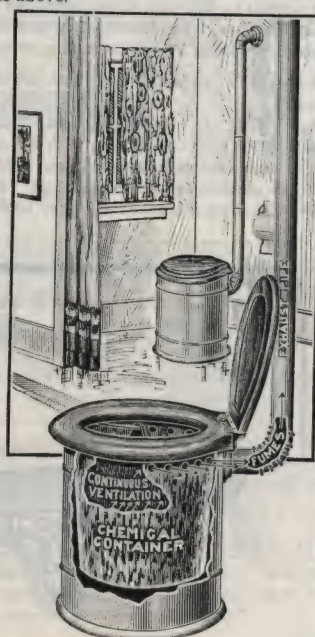
Protect your family against the dangers and inconvenience of the outdoor privy—eliminate forever the breeding place of flies and contagious disease germs. A clean, sanitary method of sewage disposal—a modern toilet easily within the reach of everyone now.

The Harris Chemical Indoor Closet is fitted with the regular shaped closet seat and cover highly finished in birch mahogany. The base and frame work of the outer casing are made of solid cast metal. The outer casing is made of rolled sheet steel, which, together with all other metal parts, including 9 feet of 3-inch exhaust pipe, are beautifully enameled in gray.

5-B-1816. Harris Chemical Indoor Closet, including two elbows, six lengths of 3-inch pipe, 12 inches long, wall collar, one pound of Harris guaranteed chemical disinfectant (about 6 months' supply) carefully packed in wood box.....**\$6.95**

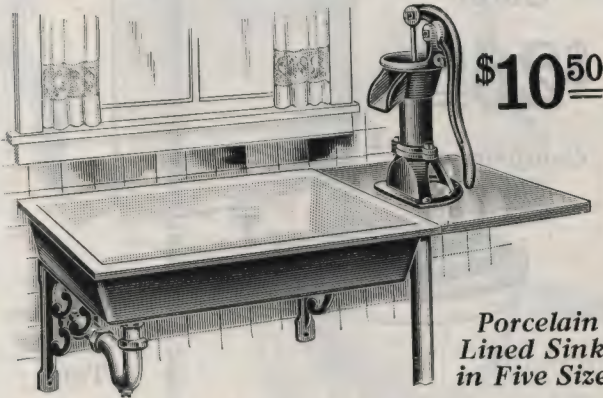
EXTRAS

Harris chemical disinfectant. Per gallon.....	\$1.50
Extra exhaust pipe, per 12-inch length.....	25c
Roof saddles, each.....	75c
Extra elbows, each.....	25c
Chemical cannot be sent by parcel post	



Kitchen Sink Outfits and Accessories

Complete Kitchen Sink Outfit With Pitcher Spout Pump



\$10⁵⁰

*Porcelain
Lined Sinks
in Five Sizes*

This kitchen sink outfit is identically the same as the one opposite except that we furnish a brass lined pitcher spout pump fitted for 1 inch iron pipe connection.

5-B-1601. Outfit complete with 18 in. x 30 in. sink with iron pipe connection.	\$10.50
5-B-1604. Outfit complete with 18 in. x 36 in. sink with iron pipe connection.	12.15
5-B-1605. Outfit complete with 20 in. x 30 in. sink with iron pipe connection.	11.35
5-B-1607. Outfit complete with 20 in. x 36 in. sink with iron pipe connection.	13.30
5-B-1609. Outfit complete with 20 in. x 40 in. sink with iron pipe connection.	15.60

Complete Kitchen Sink Outfit With Brass Lined Force Pump

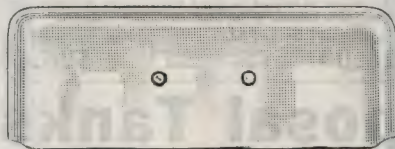
\$13⁵⁰

*Back Outlet
for Water
Elevation*



High grade flat rim cast iron porcelain lined sink fitted with nickel-plated strainer and 1 1/2 inch lead "P" trap with outlet to wall, fitted for 1 1/2 inch iron pipe connection. Sink has two brackets. Force pump is made with 2 1/2 inch brass lined cylinder with air chamber, insuring a steady flow of water. Pump is fitted for 1 1/2 inch suction pipe. Back outlet of pump fitted for 1 inch pipe, to elevate water to floors above. Attach hose to faucet for sprinkling or fire protection. Pump board not included.

5-B-1621. Kitchen sink outfit complete with sink size 18 in. x 30 in. with iron pipe connections.	\$13.50
5-B-1623. Kitchen sink outfit complete with sink size 18 in. x 36 in. with iron pipe connections.	15.25
5-B-1625. Kitchen sink outfit complete with sink size 20 in. x 30 in. with iron pipe connections.	14.45



**White
Enameled
Sink Backs**

5-B-1718. Designed for use with flat rim sinks drilled for two faucets. Size 12 in. high and 2 1/4 in. deep.

Size 24 in. long.	\$3.85	Size 36 in. long.	\$6.15
Size 30 in. long.	4.20	Size 40 in. long.	6.75

**White
Enameled
Drain Boards**



5-B-1780. Interchangeable and can be used on either end of sink. Furnished complete with cast iron bracket.

SIZES AND PRICES

18 x 18 inches.	\$5.35
18 x 20 inches.	5.75
18 x 24 inches.	6.15
20 x 20 inches.	6.50
20 x 24 inches.	6.65

Flat Rim Cast Iron Sinks Painted or White Enameled



Serviceable Sinks

These high grade flat rim cast iron sinks are furnished with the inside painted or coated with white porcelain enamel over rim. Complete with nickel-plated strainer, iron sink collar and bolts. Collar can also be fitted for 1 1/4 in. or 1 1/2 in. iron pipe connection if desired. If iron pipe connections are wanted for these sinks, add 25c to the prices below.

Painted Sinks

5-B-1701. Size 18x24.	\$3.35
5-B-1702. Size 18x30.	3.55
5-B-1703. Size 18x36.	4.20
5-B-1704. Size 20x30.	4.00
5-B-1705. Size 20x36.	4.70
5-B-1706. Size 20x40.	5.40

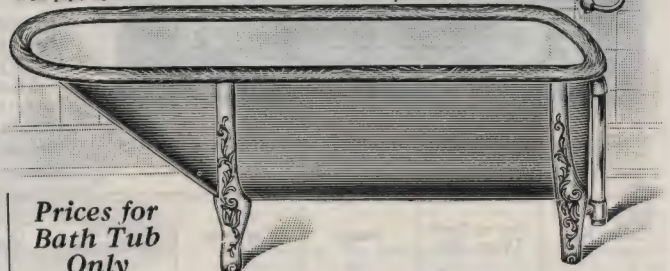
Enameled Sinks

5-B-1709. Size 18x24.	\$6.00
5-B-1710. Size 18x30.	5.80
5-B-1711. Size 18x36.	8.45
5-B-1712. Size 20x30.	6.45
5-B-1713. Size 20x36.	9.25
5-B-1714. Size 20x40.	12.25

Complete Bath Outfit for Homes Without Running Water

Composed of a high grade gasoline water heater with copper bottom and water coil. Sufficient water for bath heated in fifteen minutes. Tub furnished is made of heavy steel smoothly coated on the inside and capped with nicely finished oak top rim. Cast iron legs; equipped with connected waste and overflow fitted for 1 1/4 inch pipe.

5-B-1811. Complete with tub 4 1/2 ft. long for iron pipe connection.	\$26.00
5-B-1813. Complete with tub 5 ft. long for iron pipe connection.	\$26.25



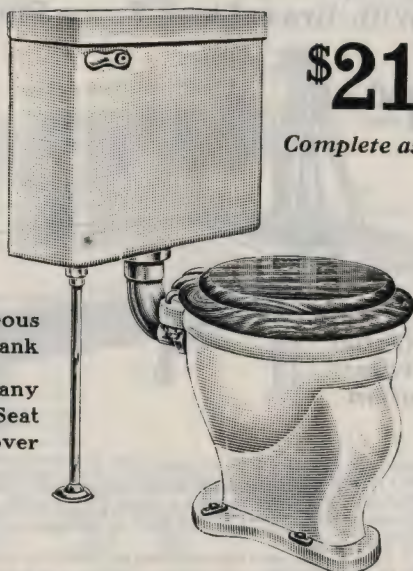
Prices for Bath Tub Only

5-B-1801. Tub only, 4 ft. 6 in. long. Each.	\$10.85
5-B-1803. Tub only, 5 ft. long. Each.	11.25
5-B-1805. Tub only, 5 ft. 6 in. long. Each.	11.70
5-B-1807. Tub only, 6 ft. long. Each.	12.35

If Fuller double bath cock to fit tub is wanted, add \$3.30. If nickel-plated 1/2 inch supplies for iron pipe connections are wanted, add, per pair, \$2.00.

LOW TANK CLOSET OUTFITS

Wash Down Type Closet Outfit



\$21⁰⁰

Complete as Shown

White Vitreous
China Tank

Mahogany
Finished Seat
and Cover

Low tank closet outfit complete of excellent quality. Includes handsome white vitreous china tank with best interior fittings to insure a strong positive flush at all times; operated by white china lever. Shapely white vitreous earthenware wash down closet bowl glazed inside and out. Seat and cover finished in rich mahogany attached to bowl with heavy nickel-plated offset hinges. Nickel-plated elbow and supply pipe.

5-B-1018. Complete as described, with rich mahogany seat and cover.....**\$21.00**

5-B-1003. Complete as described, with seat and cover finished in golden oak. For iron pipe connections.....**\$21.00**

Syphon Jet Type Closet Outfit

\$26⁰⁰

Complete as Shown



White
Vitreous
China
Tank

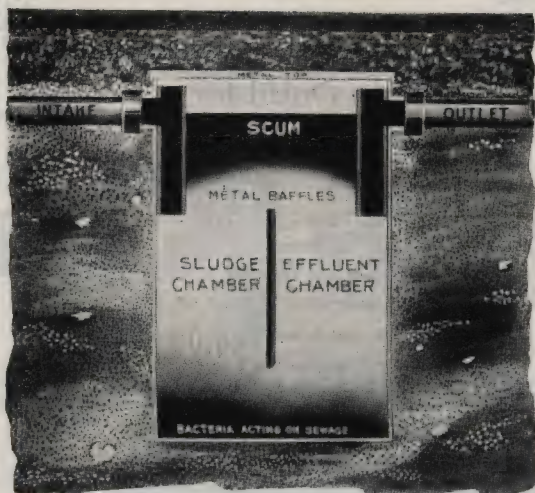
Mahogany
Finished Seat
and Cover

Low tank closet outfit complete of finest quality. Includes beautiful highly polished white vitreous china tank; easily kept clean. Fitted with latest improved rubber ball valve flush system made with fittings of heavy brass and copper; positive flush to bowl with light pressure on white china handle. White vitreous earthenware improved Syphon Jet bowl glazed both inside and out. Rich mahogany finished seat and cover attached to bowl with heavy nickel-plated offset hinges. Nickel-plated elbow and supply pipe.

5-B-1021. Complete as described with mahogany seat and cover.....**\$26.00**

5-B-1023. Complete as described with golden oak seat and cover.....**\$26.00**

Harris Septic Sewage Disposal Tanks



Sectional view showing simplicity and effectiveness of Harris Septic Tanks

Safe - Effectual - Inexpensive. Sanitary - Odorless - Protects your water supply. Used wherever running water is available. Anybody can install one.

\$24^{And Up}

The HARRIS SEPTIC TANK is adapted to all uses, city or rural where running water is available. Ideal for homes, hotels, summer resorts, etc. By the natural process of bacterial action it provides a safe, yet effectual and inexpensive method of sewage disposal, as well as a positive protection of your water supply. HARRIS SEPTIC TANKS are easy to install, no skilled labor being required. Full instructions for installation furnished with each tank. After installation they require no further attention whatever.

HARRIS SEPTIC TANKS are made from the purest Copper-bearing iron obtainable. Ten to fourteen gauge metal is used, the gauge of the metal being increased as the capacity of the tank increases. All seams are carefully welded by experts, and every tank is given a thorough inspection before leaving the factory.

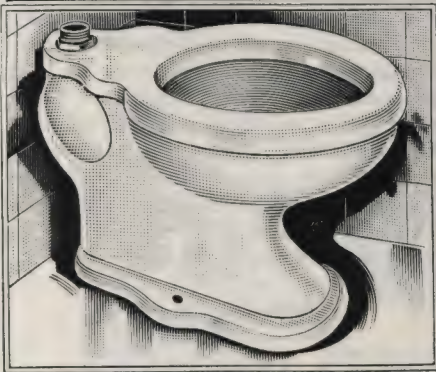
All surfaces are covered with several coats of tested Mineral Oil Preservative, applied under intense heat, protecting the tanks indefinitely against any corrosive action.



The No. 301 HARRIS SEPTIC TANK is the best family size tank.

Order No.	Size of Tank Diam. Ht.	Gauge	Total Capacity Gals.	Size Tile Connection	Weight	Capacity Home Use No. of Persons	Prices F. O. B. Warehouse in New York
5-B-300	38" x 36"	14	176	4"	175 lbs.	5-8	\$ 24.00
5-B-301	38" x 48"	14	235	4"	225 lbs.	6-9	26.00
5-B-302	46" x 48"	14	345	4"	275 lbs.	8-12	34.00
5-B-303	46" x 60"	12	432	6"	450 lbs.	12-18	60.00
5-B-304	60" x 60"	12	735	6"	510 lbs.	20-30	115.00
5-B-305	70" x 60"	10	1000	6"	1000 lbs.	30-42	150.00

Closet Bowls—Tanks and Seats



Syphon Jet Bowl

Syphon Jet Closet Bowl for low and high tank outfits. Made of finest grade of Vitreous earthenware with highly glazed white finish inside and out. Most sanitary type, easily kept clean. Weight, about 60 pounds.

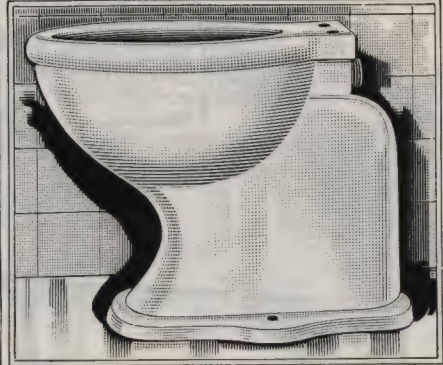
5-B-1303. With 2-inch spud for low closet tanks. Price.....\$12.00
5-B-1307. With 1½-inch spud for high closet tanks. Price.....\$12.00



Syphon Action Bowl

Syphon action wash down closet bowls for low and high tank outfits. Made of the best grade of Vitreous earthenware, with highly glazed finish, sanitary and easily kept clean. Weight, about 50 lbs.

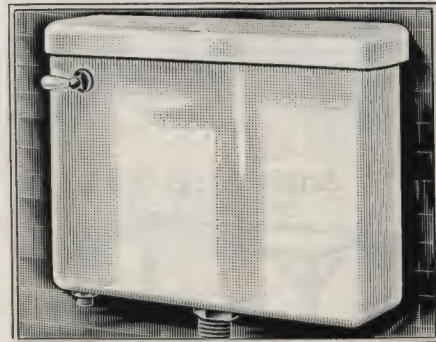
5-B-1301. With 2-in. spud for low closet outfits.....\$7.00
5-B-1305. With 1½-in. spud for high closet outfits.....\$7.00



Reverse Trap Bowl

Improved design wash-down Closet Bowl with reverse trap made of the highest grade Vitreous earthenware, finished with a high glaze. The design and construction of these bowls is considered the most sanitary closet bowls manufactured. Weight, 50 pounds.

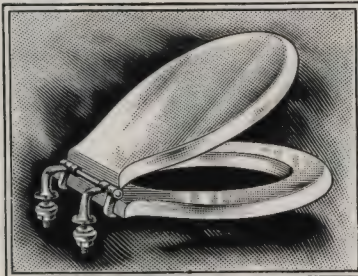
5-B-1304. With 2-inch spud for low closet tanks. Price.....\$8.00
5-B-1306. With 1½-inch spud for high closet tanks. Price.....\$8.00



White China Tank

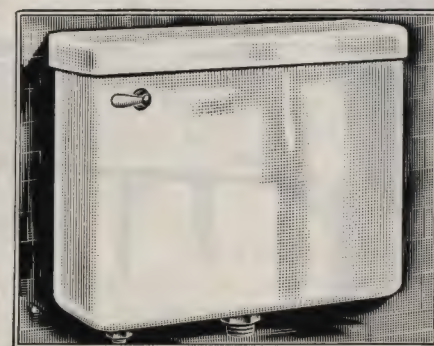
White Vitreous China Low Pattern Closet Tank. New, plain front design, round corners with flat shelf top.

5-B-1336. White Vitreous China Low Pattern Closet Tank. New, plain design, with rounded corners and flat shelf top. Quickly and easily hung with patent wall attachment. Will not crack, craze or leak—no linings—easily cleaned. Improved rubber ball valve. Heavy brass and copper fittings. Valve operated by white China lever. Furnished complete with ball cock, float valve and overflow; nickel plated supply pipe to floor and closet ell. Weight, about 60 pounds. Price.....\$12.00



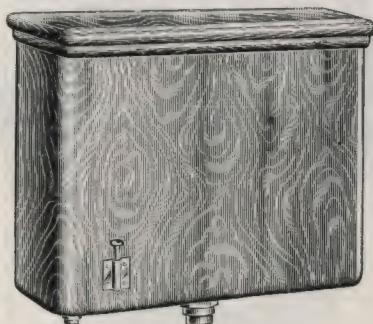
Pearl White Seat

5-B-1310. These seats are exceptionally well constructed of hardwood and coated with a composition which is guaranteed not to chip or turn color. Furnished with nickel-plated bar hinge of heavy cast brass. Shipping weight, 15 lbs. Price.....\$4.50



Cast Iron White Tank

5-B-1334. These tanks are made of a heavy gray iron casting, coated with white porcelain enamel inside and out. They are unquestionably the most durable closet tank manufactured. Valve is operated with a China lever in front of the tank. Furnished with submerged ball cock, copper float valve and overflow, nickel-plated supply pipe to floor and nickel-plated closet ell. Weight, about 90 pounds. Price.....\$13.50



Oak Closet Tank

5-B-1325. Made of golden oak, highly polished; nickel plated push button. Fitted complete with Douglas pattern valve. Lined to water level with heavy sheet copper, capped off with heavy galvanized iron. Complete with ¾-inch nickel-plated supply pipe and nickel-plated floor flange. Shipping weight, about 45 lbs. 8 gallons. Low Wood Tank, complete. Price.....\$11.00



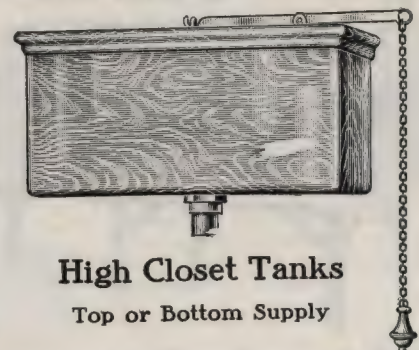
Mahogany Finished Seat

5-B-1312. Seat made of birch heavily constructed and reinforced. Beautiful Mahogany finish, furnished with cast brass nickel-plated bar hinge. Shipping weight, 15 lbs. Price.....\$2.50



Oak Closet Seat

5-B-1311. Made of selected Oak heavily constructed and reinforced. Finished with a beautiful Golden Oak finish. Furnished with heavy cast brass nickel-plated bar hinge. Shipping weight, 15 lbs. Price.....\$2.50



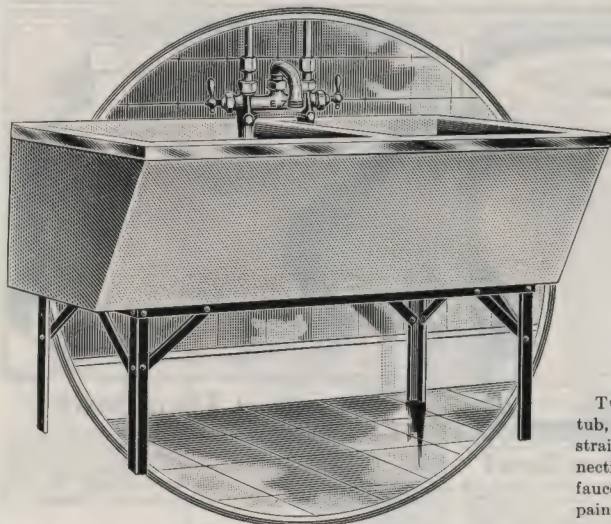
High Closet Tanks

Top or Bottom Supply

Made of the best golden oak, highly polished. Attached to wall by concealed wall hangers. Furnished with nickel-plated chain and pull. Lined with heavy sheet copper, nickel plated flush pipe connection. Weight, about 30 lbs.

5-B-1315. High Tank Complete. Price, bottom supply.....\$8.00
5-B-1317. Tank, same as above. Price, top supply.....\$8.00

Composition Stoneware Laundry Tubs

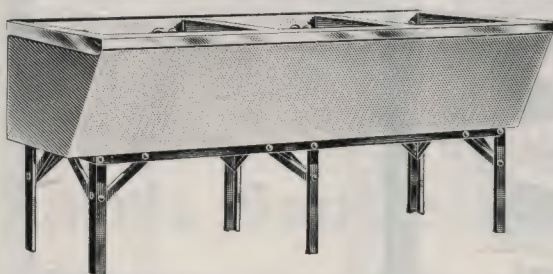


These laundry tubs are smoothly moulded in one solid piece from a composition of Portland cement and crushed granite. All designs with and without backs are made with rounded corners—sanitary and easily kept clean. They are fitted with a rust-proof metal top rim to protect them against chipping. Fitted complete with brass strainer, rubber plug and waste connection cast in the tub, which prevents leaky connections supported by painted steel stand. Polished brass $\frac{1}{2}$ in. plain flanged wash tray bibbs are furnished. We will furnish $\frac{1}{2}$ " nickel plate brass P trap to wall. 1 P conn. for \$1.50 extra.

2-Part Tubs

Two-part composition laundry tub, fitted complete with brass strainer, rubber plugs, waste connection and improved mixing faucet opposite; supported by painted steel stand.

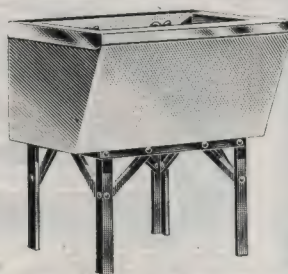
Order No.	Length inches	Width inches	Depth inches	Weight pounds	Price
5-B-1907	48	24	16	400	\$16.00
5-B-1908	54	24	16	450	18.00
5-B-1909	60	24	16	475	20.00



3-Part Laundry Tubs

Three-part composition laundry tub fitted complete with brass strainers, rubber plugs, waste connections and three pair of polished brass $\frac{1}{2}$ inch flanged wash tray bibbs; supported by painted steel stand.

Order No.	Length inches	Width inches	Depth inches	Weight pounds	Price
5-B-1913	72	24	16	600	\$22.50

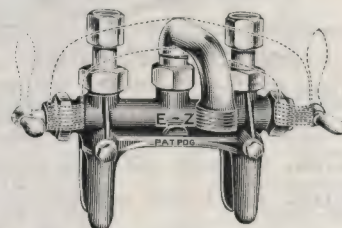


Single Laundry Tub

Single composition laundry tub fitted complete with brass strainer, rubber plug, waste connection and one pair of polished brass $\frac{1}{2}$ inch flanged wash tray bibbs; supported by painted steel stand.

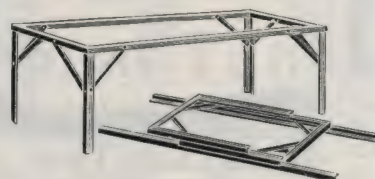
Order No.	Lg. ins.	Wd. ins.	Dp. ins.	Wt. lbs.	Price
5-B-1901	25	24	16	200	\$ 9.00
5-B-1902	27	24	16	225	10.00
5-B-1903	31	24	16	250	10.50

Mixing Faucet



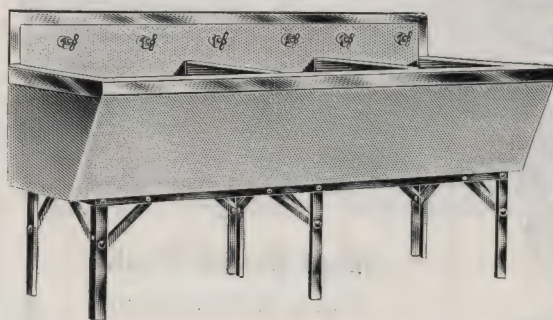
5-B-1917. Laundry tub water mixing faucet with swinging spout, which mixes water to right temperature and distributes the flow to both compartments. Makes installation of your laundry tubs quick and economical; saves at least 6 hours in installation time and more than its cost in fittings alone.
Price, each.....\$3.50

Angle Steel Stand



Neat, strong folding angle steel stands are furnished with all of our laundry tubs—a decided improvement over the shaky, unsightly old style cast-iron legs. Your laundry tub set on this improved base will stand solid and rigid. Made of 1-inch angle iron with steel braces, painted black. Easy to set up, fold or open. There is no additional charge for this improvement.

Desirable High Back Laundry Tubs



3-Part Laundry Tubs

High back three-part composition laundry tub fitted complete with brass strainers, rubber plugs, waste connections and three pairs of polished brass $\frac{1}{2}$ inch flanged wash-tray bibbs; supported by painted steel stand.

Order No.	Length ins.	Width ins.	Depth ins.	Weight lbs.	Price
5-B-1916	72	24	16	650	\$28.00

2-Part Laundry Tubs

High back two-part composition laundry tub fitted complete with brass strainers, rubber plugs, waste connection and two pairs of polished brass $\frac{1}{2}$ inch flanged wash tray bibbs; supported by painted steel stand.

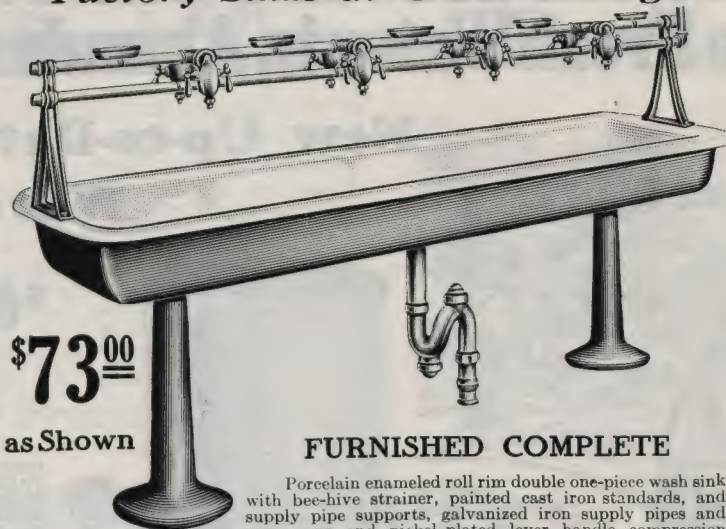
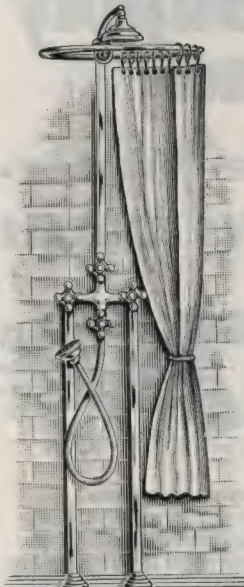
Order No.	Length ins.	Width ins.	Depth ins.	Weight lbs.	Price
5-B-1910	48	24	16	450	\$18.00
5-B-1911	54	24	16	500	22.00
5-B-1912	60	24	16	525	24.00

Single Laundry Tub

High back single composition laundry tub, fitted complete with brass strainer, rubber plug, waste connection and one pair of polished brass $\frac{1}{2}$ -in. flanged wash-tray bibbs; supported by painted steel stand.

Order No.	Lg. ins.	Wd. ins.	Dp. ins.	Wt. lbs.	Price
5-B-1904	25	24	16	225	\$10.00
5-B-1905	27	24	16	250	11.00
5-B-1906	31	24	16	275	12.50

Miscellaneous Plumbing Articles at a Saving Factory Sinks at Great Savings



\$73⁰⁰
as Shown

FURNISHED COMPLETE

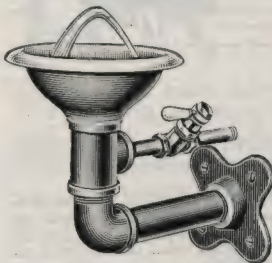
Porcelain enameled roll rim double one-piece wash sink with bee-hive strainer, painted cast iron standards, and supply pipe supports, galvanized iron supply pipes and soap cups and nickel plated lever handle compression double wash sink faucets, with stream regulators. Width of sink, 28 inches. Depth, 8 inches.

5-B-2519.	4 ft. long, enameled inside, with 4 faucets.....	\$73.00
5-B-2521.	6 ft. long, enameled inside, with 6 faucets.....	89.00
5-B-2526.	8 ft. long, enameled inside, with 8 faucets.....	110.00
Same as above, with 1/2 in. Compression Faucets.		
5-B-2518.	4 ft. long, complete with 8 faucets.....	\$69.00
5-B-2520.	6 ft. long, complete with 12 faucets.....	82.00
5-B-2525.	8 ft. long, complete with 16 faucets.....	99.50

Shower Outfit

5-B-3071. Nickel Plated Brass Shower Bath with Head Shower and Shampoo Attachment, Rubber Hose and Sprinkler. 1/2 inch Supply Pipes to floor with check valves, China Indexed Controlling Valves and Duck Curtain.....**\$25.00**

Ajax Bubbling Fountain

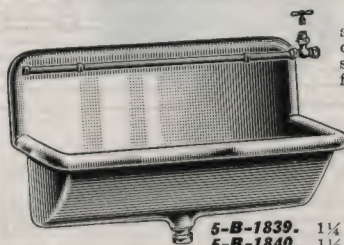


This bowl is similar in construction to our Lot No. 5-B-2510, excepting that the waste and supplies go to the wall instead of to the floor. It is adapted for places where economy of space is desired. It is equipped with nickel plated, self-closing stop with lever handle.

Lot No. 5-B-2515. Bowl painted outside and enameled inside.....**\$11.25**

5-B-2516. Bowl enameled inside and outside.....**\$12.60**

Porcelain Enamel Urinals—Roll Rim \$15.75



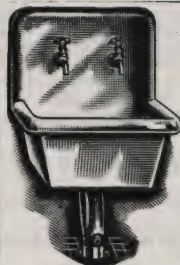
Porcelain enameled roll rim urinals, all in one piece. They are supported on concealed wall hangers and have beehive strainer and coupling and perforated flush pipe with loose key stop.

		Prices
5-B-1833.	Size, 24 inches long.....	\$15.75
5-B-1834.	Size, 30 in. long.....	18.00
5-B-1835.	Size, 36 in. long.....	20.40
5-B-1836.	Size, 42 in. long.....	22.70
5-B-1837.	Size, 48 in. long.....	25.00
5-B-1838.	Size, 60 in. long.....	32.00
5-B-1839.	1 1/4 inch Nickel Plated P. Trap.....	2.30
5-B-1840.	1 1/2 inch Nickel Plated P. Trap.....	2.60

Enameled Roll Rim Slop Sinks

Order No. 5-B-1091. Porcelain enameled roll rim slop sink, with back, all in one piece, on trap standard, with cleanout and waste to wall 12 in. high roll rim back, outlet threaded for 2 in. iron pipe.

Size—16x20x12—Enameled inside only.....	\$23.60
Size—18x22x12—Enameled inside only.....	\$27.35
Size—20x24x12—Enameled inside only.....	30.70
Extra for 2—3/4 in. Nickel-Plated Fuller Flange Bibbs.....	3.50



Premier Slop Hopper

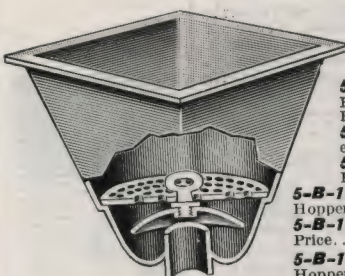
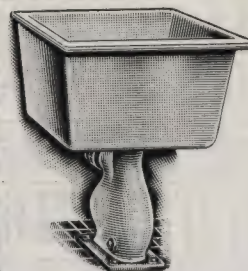


Illustration shows our "Premier" painted and enameled iron Slop Hopper. It is furnished complete as shown and made of the very best material, and made in three sizes.

5-B-1865.	Size 12x12 inches. Painted Hopper. Price.....	\$4.55
5-B-1866.	Size 12x12 inches. Enameled Hopper. Price.....	\$5.95
5-B-1867.	Size 14x14 inches. Painted Hopper. Price.....	\$5.10
5-B-1868.	Size 14x14 inches. Enameled Hopper. Price.....	\$6.40
5-B-1869.	Size 16x16 inches. Painted Hopper. Price.....	\$5.65
5-B-1870.	Size 16x16 inches. Enameled Hopper. Price.....	\$6.90
Tapped for 2 inch Iron Pipe.....		75c

Enameled Iron Flat Rim Slop Sink



5-B-1877. Illustration shows our enameled iron flat rim Slop Sinks, which are furnished on the trap standard with cleanout and brass vent connections.

		Prices
Size	16x16x10 inches.....	\$14.50
16x20x12 inches.....		\$16.15
18x22x12 inches.....		18.20
20x22x12 inches.....		19.90
20x24x12 inches.....		20.75

They are shipped from our factory in Southern Wisconsin

Shower Outfit

5-B-3069. Polished aluminum portable shower bath with heavy duck curtain. Portable and adjustable to various heights. Furnished complete as pictured with "hold fast" rubber bulb and rubber hose to 1/2 in. pure aluminum feed pipe.

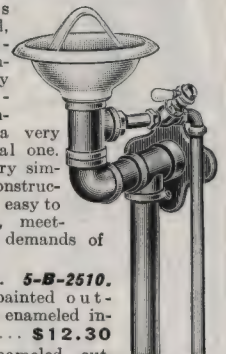
Shipping weight, 10 lbs. Complete outfit.....**\$8.75**

Hercules Bubbling Fountains

This beautiful, up-to-date Sanitary Drinking Fountain is a very practical one. It is very simple in construction and easy to put up, meeting the demands of all.

Lot No. 5-B-2510. Bowl painted outside and enameled inside.....**\$12.30**

Bowl enameled outside and inside.....**\$13.65**



A Harris Air Pressure Water Supply Pure Fresh Water in Abundance

New Up-to-Date Water- Works Outfit

\$70⁰⁰
Complete

Including Pneumatic Tank, Double-acting Force Pump, Water Gauge, Pressure Gauge, Check Valve, Globe Valve, Elbows, Tees, Couplings, Nipples and Instructions for Complete Installation.

Reliable Fire Protection

A Harris Air Pressure System gives you all the conveniences of a city home and offers the most reliable fire protection. Simply connect the hose to any of the faucets placed at convenient and accessible points and you can have the fire extinguished in a few minutes. No pails of water to carry. Running water everywhere. Countless drudgery saved in bathroom, kitchen and laundry.

This simple and reliable outfit is a most efficient water works system. After reading the full instructions furnished you'll be able to set it up yourself in a few hours' time.

Outfit includes black steel double riveted air tight Pneumatic tank, made of $\frac{3}{8}$ shell and $\frac{1}{2}$ head. Fully tested to 200 pounds air pressure and guaranteed for working pressure of 75 pounds.

Pump furnished with this outfit is our 4-E-2455 Double Acting Horizontal Force Pump, equipped with pneumatic attachment and used for pumping water and air at the same time, tapped for $1\frac{1}{4}$ -inch suction and 1-inch discharge. We also furnish water gauge glass, pressure gauge, check valve, globe valve and all other fittings, such as galvanized nipples, unions, couplings, etc., required in installation.

Tanks can be furnished to lay horizontally. Unless otherwise specified will be shipped with tappings for vertical setting.

5-B-6001. Complete Outfit. Size of tank, 24 inches by 6 feet. Capacity, 145 gallons. Working capacity, 100 gallons. Price, **\$70.00**

5-B-6002. Complete Outfit. Size of tank, 24 inches by 10 feet. Capacity of tank, 245 gallons. Working capacity, 160 gallons. Price, **\$94.00**

5-B-6003. Complete Outfit. Size of tank, 30 inches by 6 feet. Capacity of tank, 220 gallons. Working capacity, 160 gallons. Price, **\$83.00**

5-B-6007. Complete Outfit. Size of tank, 30 inches by 8 feet. Capacity of tank, 295 gallons. Working capacity, 200 gallons. Price, **\$97.00**

5-B-6009. Complete Outfit. Size of tank, 36 inches by 8 feet. Capacity of tank, 420 gallons. Working capacity, 300 gallons. Price, **\$112.00**

No Pails to Carry

Reliable Fire Protection

Costs Very Little

Easy to Install

Vertical or Horizontal Air Pressure Tanks

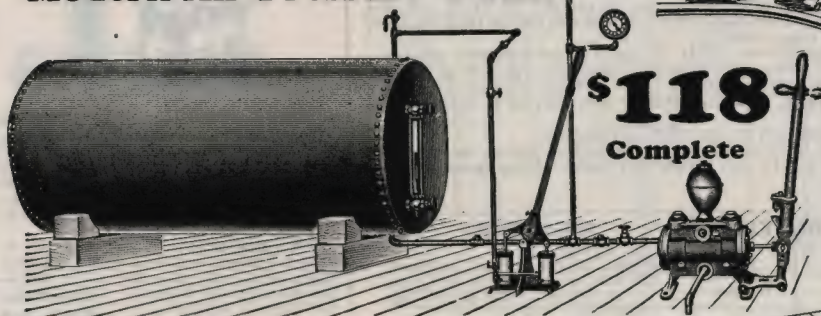
Fully tested before shipment and guaranteed perfectly air-tight, with guaranteed working pressure of 75 pounds and air pressure of 200 pounds. Prices are F. O. B. cars our factory near Chicago and are subject to market changes. Freight-paid or F. O. B. Chicago prices quoted on request. Prices do not include Water Gauges, etc. Manheads, \$15.00 extra. State whether you want tank tapped for vertical or horizontal position.

Order Number	Dia. In.	Lgth. Ft.	Wt. Lbs.	Cap. Gals.	Thickness, In.		Prices		Order Number	Dia. In.	Lgth. Ft.	Wt. Lbs.	Cap. Gals.	Thickness, In.		Prices	
					Shell	Head	Black	Galv.						Shell	Head	Black	Galv.
5-B-6101	24	6	370	145	$\frac{3}{8}$	$\frac{1}{2}$	\$40.00		5-B-6115	36	8	760	315	$\frac{3}{8}$	$\frac{1}{2}$	\$ 62.00	
5-B-6105	24	10	525	245	$\frac{3}{8}$	$\frac{1}{2}$	61.50	Write	5-B-6117	36	8	926	420	$\frac{3}{8}$	$\frac{1}{2}$	77.00	Write
5-B-6107	30	6	558	220	$\frac{3}{8}$	$\frac{1}{2}$	52.00	for	5-B-6119	36	10	1,090	525	$\frac{3}{8}$	$\frac{1}{2}$	89.00	for
5-B-6109	30	8	677	295	$\frac{3}{8}$	$\frac{1}{2}$	64.00	Prices	5-B-6121	36	12	1,253	630	$\frac{3}{8}$	$\frac{1}{2}$	100.00	Prices
5-B-6111	30	10	795	365	$\frac{3}{8}$	$\frac{1}{2}$	73.00										

Outfit is Easily and Quickly Installed Always Ready When and Where You Want it

Any ordinary mechanic can install one of these systems for you, or you can do the work yourself in one afternoon. Complete plans and instructions are furnished with every outfit making it impossible for you to go wrong. There is no possible chance for these outfits to get out of order. They are very simple, containing the fewest working parts of any outfit on the market. Every outfit is guaranteed to be absolutely satisfactory in every way or your money will be refunded. If you are in doubt as to which size outfit will be needed to fulfill your requirements, we will be glad to give you any information that might help you out.

Modern Air Pressure Outfit



One of the special features of this outfit is the absolutely positive air supply arrangement. You'll find this feature to be a decided advantage in that it will give you a plentiful supply of air at all times, with only a few strokes of the pump.

A two-cylinder air pump is furnished with this outfit. A very important feature is the large 3-inch Cylinder Water Pump furnished, supplying a large volume of water and filling the tank in a very short time. This reduces the amount of pumping required.

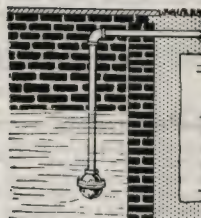
We furnish these outfits, exactly as shown, complete, with large 3-inch Cylinder, Double Acting, Water Force Pump, Two-Cylinder, High Pressure Air Pump, with long, detachable lever, as illustrated, all necessary valves, check valves, fittings, pressure gauge, water gauge, complete with gauge cocks, guard rods, etc., the necessary piping to connect the pump with the outfit as shown; also the necessary pipe between the water pump and the tank. We do not furnish the suction pipe leading from the pump to the well, as this varies in every case. This will come extra, according to our net catalogue price on 1 1/4-inch Galvanized Iron Pipe. We, however, furnish the piping between the pump and tank, as shown in this illustration, and necessary fittings, which makes the outfit complete, as illustrated.

Below you will find three complete outfits. If in doubt, write us for complete estimate. Tell us the size outfit and send sketch of quantity of pipe and fittings needed from well to pump and from pump to supply in your home. We will make a delivered price on all your needs.

- 5-B-6203.** Complete Outfit. Size of tank, 24 inches by 10 feet. Capacity of tank, 245 gallons. Working capacity, 160 gallons. Price..... **\$118.00**
- 5-B-6207.** Complete Outfit. Size of tank, 36 inches by 8 feet. Capacity of tank, 420 gallons. Working capacity, 360 gallons. Price..... **\$130.00**
- 5-B-6209.** Complete Outfit. Size of tank, 36 inches by 10 feet. Capacity of tank, 525 gallons. Working capacity, 360 gallons. Price..... **\$145.00**

Large Air Pressure Tanks

Fully tested before shipment and guaranteed perfectly air-tight, with guaranteed working pressure of 75 pounds and air pressure of 200 pounds. Prices are F. O. B. cars our factory near Chicago and are subject to market changes. Freight-paid or F. O. B. Chicago prices quoted on request. Prices do not include Water Gauges, etc. Manheads, \$15.00 extra. State whether you want tank tapped for vertical or horizontal position.



Order Number	Dia. In.	Lgth. Ft.	Wt. Lbs.	Cap. Gals.	Thickness, In.		Price		Order Number	Dia. In.	Lgth. Ft.	Wt. Lbs.	Cap. Gals.	Thickness, In.		Price	
					Shell	Head	Black	Galv.						Shell	Head	Black	Galv.
5-B-6123	42	8	1,422	575	3/4	3/4	\$110.00	Write for Prices	5-B-6135	48	14	2,665	1,300	3/4	3/4	\$187.50	Write for Prices
5-B-6125	42	10	1,685	720	3/4	3/4	128.00		5-B-6137	48	16	2,963	1,500	3/4	3/4	208.50	
5-B-6127	42	12	1,953	865	3/4	3/4	145.00		5-B-6141	48	20	3,563	1,880	5/16	3/4	252.50	
5-B-6129	42	14	2,215	1,000	3/4	3/4	164.00		5-B-6143	48	24	4,167	2,260	5/16	3/4	292.00	



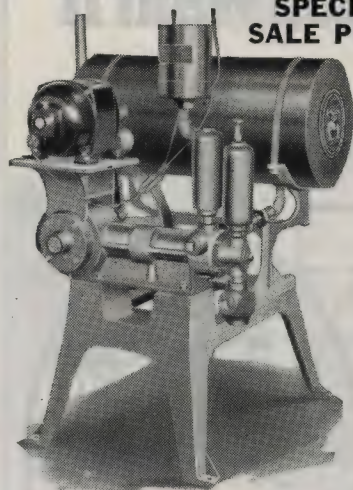
**Takes
Drudgery
Out of
Watering
Farm Stock**

**Keeps
Garden and
Lawn Fresh
and Green**



Paul Bulldog Water Systems!

SPECIAL SALE PRICE \$79 EASY TERMS
See Bottom of Page



Genuine Paul "Bulldog" Water Systems are nationally recognized for their splendid construction and unfailing efficiency. These outfits automatically supply an abundance of running water to your kitchen, laundry, bathroom or any part of your premises. Shallow Well Outfits are designed for pumping from wells or cisterns, lakes or springs where water level is not more than 22 feet below the surface. Deep Well Outfits are designed for use where the water supply is more than 22 feet from surface. When the pressure in tank gets below 20 pounds, the pump is automatically started; when pressure reaches 40 pounds, it stops. The operation is entirely automatic and insures uninterrupted service at all times.

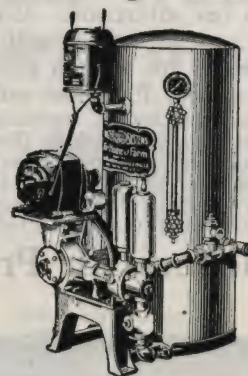
PAUL CUSHION STROKE PUMPS

An outstanding feature of Paul "Bulldog" Water Systems is found in the cushion stroke suction pump. They operate quietly and are accurately constructed to prevent vibration, avoiding harmful wear through years of service and deliver their full rated capacity every hour.

The heavy duty 1-6 H. P. pump motor furnished requires a minimum of current for efficient operation. All A. C. motors are of the repulsion induction type. (When ordering, be sure to state voltage, cycle and whether your current is alternating or direct.)

Extra heavy 10 gallon tanks are furnished, galvanized both on the inside and outside. Outfits are assembled complete with pressure gauge, water gauge, relief valve and all fittings, ready to connect to the water pipe. Equipped with connections for 1/2 inch supply and outlet. Floor space required, 28 x 30 inches.

U. S. TYPE Paul Systems



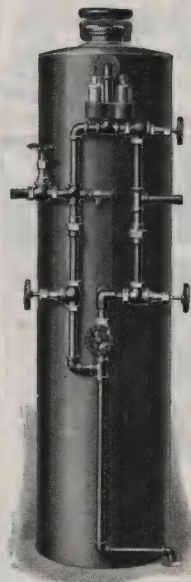
These Paul type U. S. Water Systems with large storage capacity are recommended where system is in constant use. Furnished complete with suction pump, pump motor, extra heavy galvanized tank pressure controller, pressure and water gauge, relief valve and all fittings ready to attach to water pipe.

No. 4-B-920 Paul type U. S. Water System complete with 30 gallon tank, pump with capacity of 120 gallons per hour, 1/2 H. P. motor. Connections for 1/2 inch supply and outlet. Complete..... **\$95.00**

No. 4-B-951 Paul type U. S. Water System complete with 50 gallon tank, pump with capacity of 180 gallons per hour, 1/2 H. P. motor. Connections for 3/4 inch supply and outlet. Complete..... **\$120.00**

SHALLOW WELL OUTFITS

Catalog No.	Cap. of Pump Gallons Per Hour	Cap. of Tank Gallons	Motor H. P.	Ship. Weight	SALE PRICES	
					A. C., 1 Phase, 60 Cycle, 110 or 220 Volt, or D. C., 32, 110 or 220 Volt	A. C., 1 Phase 25 or 40 Cycle 110 or 220 Volt
5-B-666	150	10	1/6	185	\$79.00	\$88.00
5-B-777	200	10	1/6	200	\$90.00	\$95.00
DEEP WELL OUTFITS						
5-B-888	120	12	1/4	200	\$135.00	\$155.00
5-B-999	160	12	1/3	225	\$150.00	\$175.00



Furnished Complete With:

All Valves Cocks and Fittings

Necessary Mineral

Monel Metal Filter Mat

Salt Filling and Measure Vessel

Finest Enameled Tank

Four Valves Control the Entire Operation

Paul Soft Water Generator—The World's Best Water Softener \$110 at Big Savings NOW!

EASY TERMS

Nationally famous Paul soft water generators, for use where your water supply is under pressure. Supply your home with plenty of clean, clear soft water at full city pressure. It banishes all hard water scale and scum, making housekeeping a light and pleasant duty. Just turn the faucet and you have an abundance of soft crystal clear water. The outfit includes highest quality copper bearing steel tank, with heavy enamel coating—rust resisting and indestructible. Valve mechanism of extremely simple arrangement consists of four valves which control the entire operation of the generator. Simple in operation with large amount of mineral which increases the capacity of the generator. Hard water enters at the bottom of the generator and travels through the Paul mineral which removes all lime, magnesia and impurities which have accumulated in the sediment chamber at the bottom of the tank.

Simple and Easy to Recondition

A quantity of common salt poured into the top of generator restores the Paul Mineral to its full rated capacity in a short time.

No. 5-B-990 SIZES AND LOW SALE PRICES

Size.....	0-A	1-AA	1-A	2-A	3-A	4-A
Generator capacity in grains—of hardness.....	12000	18000	24000	36000	48000	60000
Size of piping.....	1 1/2"	1 1/2"	1 1/2"	3/4"	3/4"	1"
Maximum capacity gallons per hour..	100	150	200	300	400	500
Salt required for regeneration, lbs....	7	10	13	20	26	35
Height over all.....	52"	52"	52"	58"	60"	64"
Floor space.....	12 x 16"	12 x 16"	12 x 16"	14 x 18"	16 x 20"	18 x 22"
Shipping weight, lbs.....	180	205	230	325	425	510
Sale price, complete.....	\$110.00	\$128.00	\$144.00	\$198.00	\$250.00	\$310.00

Estimate the amount of soft water required per month. (An average family of five persons use 2000 gallons per month.) Ascertain the number of grains of hardness in your water. If you cannot get this information locally send us a sample of water for test. Multiply the number of gallons required per month by the number of grains of hardness. Then refer to above table of generator capacity in grains of hardness which will show the size and number of generator you should use.

For example:—If you use 2000 gallons of soft water per month and your water tests 12 grains of hardness, multiply 2000 x 12 equals 24000 grains. Referring to table you will require soft water generator No. 1A which has a 24000 grain capacity.

Cash With Order

Plan No. 1 By sending cash in full with your order, you will be allowed a discount of 3 per cent from the sale price mentioned at the end of the descriptive matter of the articles above.

Cash After 30 Days

Plan No. 2 If you wish to examine and use these articles for 30 days, send us a letter from your banker stating that the full sale price has been deposited with him, and will be sent to us when you are fully satisfied.

On Time 3-Payments

Plan No. 3 An extra charge of \$2.50, is necessary under this plan. Send one-third of the amount with your order and blanks will be sent for your signature for balance to be paid one-third in two months and one-third in four months.

Hot Water Storage Tanks



Galvanized Range Boilers Standard Weight

Guaranteed full weight. Tested to a working pressure of 150 pounds. Furnished complete with stand, galvanized inside tube and malleable iron couplings. Opening at top for cold water intake and hot water outlet. Opening at bottom for drain for use where average pressure is not over 85 pounds.

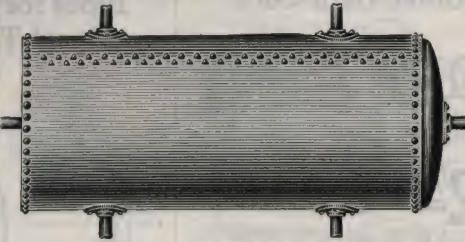
Extra Heavy

Heavier and more substantial than our standard range boilers. Tested to 250 pounds working pressure. Recommended for use where working pressure is not over 150 pounds.

Please Note:

Range boilers can only be used where there is a con-

Water Storage Tanks



Order No. 5-B-2705

These splendid storage tanks are made up of finest quality steel plate, securely joined, heavily and closely welded throughout. Shell head of $\frac{1}{4}$ inch steel, convex head of $\frac{1}{4}$ inch steel. Concave heads of all tanks including 525 gallon size of $\frac{1}{4}$ inch steel; larger sizes have concave head made of $\frac{1}{2}$ inch steel. They are carefully tested to 100 pounds hydrostatic pressure and are recommended for use where working pressure does not exceed 65 pounds. Regularly made with flanged openings as shown. Can be used in a horizontal or vertical position.

Approx. Capac. Gallons	SIZES		Approx. Weight Pounds	Regular Open. Inches	Price Each
	Diam. Inches	Length Feet			
85	20	5	310	1 1/2	\$ 26.00
100	24	4	330	1 1/2	28.00
120	24	5	380	1 1/2	31.00
140	24	6	440	1 1/2	34.00
180	30	5	500	2	40.00
220	30	6	560	2	44.00
250	30	7	630	2	50.00
295	30	8	700	2	53.00
315	36	6	700	2	51.00
420	36	8	870	2	64.00
525	36	10	1030	2	68.00
430	42	6	890	2	69.00
575	42	8	1070	2	85.00
720	42	10	1250	2	95.00

Galvanized Water Heating "Peerless" Range Boilers

The heat generated in the burner strikes the water spreader or disc and passes directly into the water, causing it to circulate. The disc or spreader is used for the purpose of spreading water; it also prevents the flame from coming in contact with the bottom of the boiler, thus protecting it against the gas flame. In The Peerless we have nothing to conceal.

The cold water is carried to the bottom of the disc through the left hand pipe and comes instantly in contact with the hottest part of the boiler, just above the flame. It is quickly heated, and as it is warmed, rises through the center tube to top of boiler.

The heat, after passing around the disc, continues all the way up through the center of boiler.

Lot-No.	Lgth.	Diam.	Price, each
5-B-5118	3 ft.	12 ins.	\$24.00
	Capacity, 18 Gallons.		
5-B-5124	4 ft.	12 ins.	25.00
	Capacity, 24 Gallons.		
5-B-5130	5 ft.	12 ins.	26.00
	Capacity, 30 Gallons.		
5-B-5140	5 ft.	14 ins.	32.00
	Capacity, 40 Gallons.		



ERRATA

Prices for Galvanized Range Boilers should read as follows:

No. 5-B-2101 Standard Boilers

Cap., Gals.	Ht., in. Boiler	Ht., in. Incl. Stand	Wt., Lbs.	Boiler only	Price, comp.
30	60	75	72	\$ 7.25	\$ 9.25
40	60	75	85	10.00	12.00
52	60	75	120	14.00	17.00

No. 5-B-2109 Extra Heavy Boilers

Cap., Gals.	Ht., in. Boiler	Ht., in. Incl. Stand	Wt., Lbs.	Boiler only	Price, comp.
30	60	75	87	\$ 9.25	\$11.25
40	60	75	100	12.00	14.00
52	60	75	135	17.25	20.00

Range Boilers

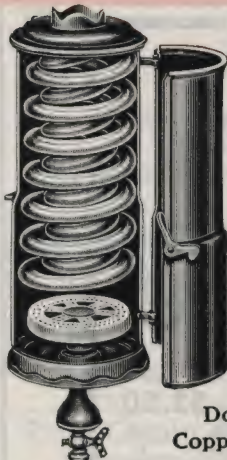
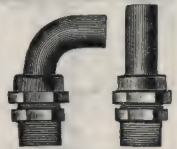
high grade gray cast iron. made to carry an overload. The height is 15 inches.

For Boiler	Price, Each
30 gal.	\$0.70
40 gal.	.70
52 gal.	1.75

Galvanized Range Boiler Couplings

These Couplings are made of the best grade Malleable Iron heavily galvanized. Threaded for Iron Pipe Connections.

Lot No. 5-B-2125. Per Set. \$1.30



Gas Burning Water Heater

Fast Efficient Water Heater

Double Copper Coil

Fast heating, efficient, double copper coil water heater, designed to meet most exacting requirements.

Made with double copper coil. Cast iron jacket of neat design. Hinged door forms half of jacket. All casting fired Japanned. 3-inch flue connection. 1/2-inch gas supply. 3/4-inch water supply. Thoroughly tested.

5-B-2134. Size No. 20. 18 ins. high, 7 ins. in diameter, 3/4 in. copper tubing, 18 ft. long. Weight, 28 pounds. Price, each. \$5.95

5-B-2136. Size No. 25. 22 ins. high, 7 ins. in diameter, with 3/4 in. tube, 20 ft. long. Weight, 35 pounds. Price, each. \$9.75

Peerless AUTOMATIC Storage Gas Water Heaters

26 Gallon Capacity \$39.00

In Ordering State Whether for Natural or Manufactured Gas

The Peerless Automatic, gas heating, hot water storage outfit is designed to give you an abundance of hot water every hour of the day and night. Being automatic it removes the necessity of lighting the gas every time you want hot water.

The Peerless is easily installed and when it is once placed in your home your hot water problem is solved. Built to render many years of trouble free service. Comes complete with heavy galvanized iron tank, brass gas and drain cocks, burner, Thermostat and legs.

Can be used only where running water and gas are supplied under pressure. In ordering state whether for natural or manufactured gas.

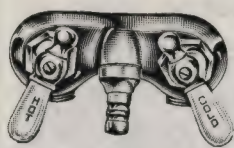


Showing the simple and efficient Robertshaw Thermostat control and Barber gas burner which are controlled and automatically operated by the degree of heat of the water in the boiler.

Number	Size		Actual Holding Capacity	Shipping Weight, Each	Price
	Diameter	Height			
5-B-24	12 inches	4 feet	18 gallons	130 pounds	\$37.00
5-B-30	12 "	5 "	24 "	145 "	39.00
5-B-32	14 "	4 "	26 "	148 "	39.00
5-B-40	14 "	5 "	32 "	170 "	52.00
5-B-42	16 "	4 "	34 "	175 "	55.00
5-B-52	16 "	5 "	44 "	200 "	69.00

Faucets-Cocks & Plumbing Accessories

Indexed Compression Double Bath Cock



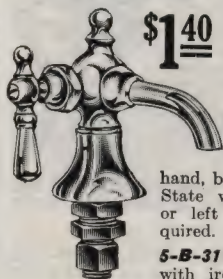
\$2.75

Made of brass, nickel plated; china index lever handles. The large chamber at back thoroughly mixes water.

5-B-3104. Price with lead pipe, tall pieces.....**\$2.75**

5-B-3106. Price with iron pipe, tall pieces.....**\$3.25**

Fuller Basin Cock



\$1.40

Cast brass, heavy design, finely nickel plated. Generally sold in pairs, one right and one left hand, but will single. State whether right or left hand is required.

5-B-3110. Price with iron pipe, tall piece. Each.....**\$1.40**

Indexed Fuller Double Bath Cock



\$2.75

Made of heavy cast brass, handsomely nickel plated. Guaranteed to be the best cock on the market.

5-B-3101. Price with lead pipe, tall piece.....**\$2.75**

5-B-3103. Price with iron pipe, tall piece.....**\$3.25**

Self Closing Faucet

Compression Nickel-Plated Self-Closing Faucet with china top marked "Hot" or "Cold." Low pattern. Mention index wanted.

5-B-3122. Price with lead pipe, tall pieces.....**\$3.00**

5-B-3124. Price with iron pipe, tall pieces.....**\$3.25**

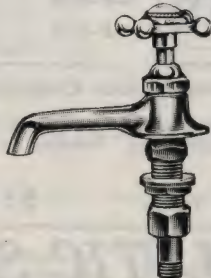


\$3.00



Made of cast brass, heavy design, nickel plated; white china handles indexed "hot" or "cold." Generally sold in pairs, but if ordered single, state whether right or left hand and hot or cold faucet is wanted.

5-B-3110 1/2. Price with iron pipe, tall piece, each.....**\$1.65**



Handsome, serviceable, heavily nickel plated Basin Cock. The body and spout are cast solid in one piece. White porcelain plate marked "Hot" or "Cold." If not ordered in pairs, be sure and state index desired.

5-B-3125. Price with iron pipe, tall piece, each.....**\$1.00**



Heavily nickel plated basin cock, serviceable and attractive. Body and spout in one piece. Fitted with white porcelain lever handle. When ordering, state whether right or left cock is wanted.

5-B-3126. Price with iron pipe, tall piece, each.....**\$1.10**



Nickel Safety Chain

5-B-5900. Made of brass, nickel plated safety chain used on plugs, stoppers, closet puller, etc. Price, per yard.....**10c**



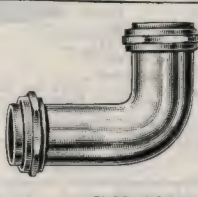
Closet Screws and Washers

5-B-3191. Nickel Plated Heavy Pattern Head Closet Screws and Washers, 2 1/4 inches under the head. Price, per set of 12 pieces.....**15c**



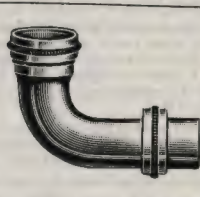
OFFSET SLIP JOINT CONNECTIONS

5-B-3197. Made of brass, nickel plated. Size, 2x2x6 inches. For use with low-down closet tanks and syphon jet bowls. Price, each.....**95c**



SLIP JOINT CONNECTION

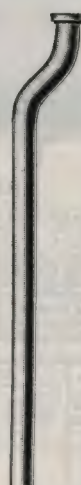
5-B-3185. These elbows are made of brass and are heavily nickel plated. Sizes 2x4x3 in., to be used with low-down closet tanks and wash-down bowls. Price, each.....**90c**



ONE-QUARTER BEND SLIP JOINT CONNECTION

5-B-3196. Heavily Nickel Plated Brass Slip Joint Connections, size 1 1/4 inch by 1 1/4 inch, for use with high closet tanks and wash down bowls. Price, each.....**70c**

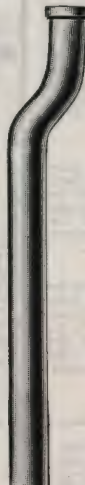
Supply and Flush Pipes for High Closet Tanks



Offset Supply Pipe

5-B-3194. Nickel Plated; made of 3/8-in. heavy brass tubing; use with high tank closet outfits, each.

\$1.75



Offset Flush Pipe

5-B-3193. Nickel Plated; use with high tank closet outfits. Heavy brass tubing, 1 1/4 in. x 5 1/2 ft. long, 3 in. offset, 1 1/2 in. collar.

\$1.85

Basin Supply Pipes

5-B-3171. Nickel plated Basin Supply Pipes to wall, plain, made of heavy 3/8 in. brass tubing fitted with coupling to fit basin cock, nickel plated flanges. Price, per pair.....**\$2.00**



Straight Basin Supply Pipes

5-B-3173. Straight basin supplies made of heavy tubing. Size 3/8 inch, fitted with nickel plated coupling threaded to fit basin cocks, furnished with nickel plated floor flanges. Price, per pair.....**\$2.00**



Bath Tub Supply Pipes

5-B-3167.

Nickel plated straight bath supply pipes, made of heavy 1/2 inch tubing fitted with coupling, threaded to connect with tall pieces on bath cock, complete with floor flanges.

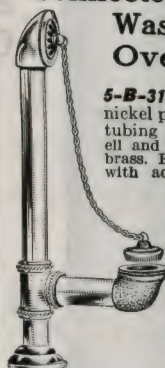
Price, per pair.....**\$2.00**

Lavatory "P" Trap to Wall

LAVATORY TRAPS
Made of brass tubing. Is heavily nickel plated.
5-B-3145. 1 1/4-inch nickel plated plain "P" trap. For lead pipe connections. Price, ea.....**\$2.25**
5-B-3146. 1 1/4-inch nickel plated plain "P" trap. For iron pipe connection. Price, each.....**\$2.75**



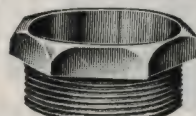
Connected Bath Waste and Overflow



5-B-3131. Heavy nickel plated brass tubing with nuts, ell and shoe of cast brass. Furnished with adjustable tee and nickel plated floor flange; nickel plated chain and rubber stopper. Price, each.....**\$2.40**

Lavatory "S" Traps To Floor

5-B-3157. 1 1/4-inch nickel plated "S" trap. For lead pipe connection. Price, each.....**\$2.50**
5-B-3158. 1 1/4-inch nickel plated "S" trap. For iron pipe connection. Price, each.....**\$3.00**



Soldering Bushing

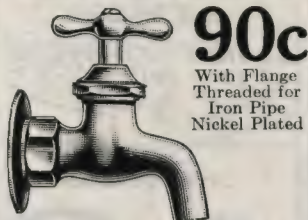
5-B-3198. Soldered to lead pipe to make iron pipe connections. Size, 1 1/4 in. Price.....**20c**
5-B-3199. Size, 1 1/2 inch. Price.....**24c**

Cock Hole Covers

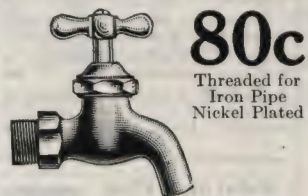
5-B-3190. Porcelain Enamel-coated Cock Hole Covers for bath tubs, sinks and lavatories. Price, each.....**20c**

Best Faucets, Bibbs and Cocks

Compression Plain Bibbs



5-B-2959. Size, 1/2 inch..... **90c**
5-B-2961. Size, 3/4 inch..... **\$1.20**
 Brass finished 20c less

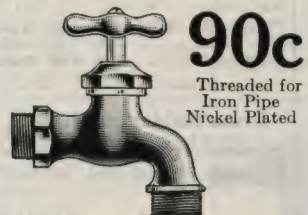


5-B-2951. Size, 1/2 inch..... **80c**
5-B-2953. Size, 3/4 inch..... **97c**
 Brass finished 20c less

Compression Hose Bibbs



5-B-2963. Size, 1/2 inch..... **\$1.05**
5-B-2965. Size, 3/4 inch..... **\$1.30**
 Brass finished 20c less

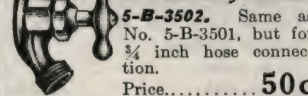


5-B-2955. Size, 1/2 inch..... **90c**
5-B-2957. Size, 3/4 inch..... **\$1.10**
 Brass finished 20c less

Plain Compression Laundry Bibb

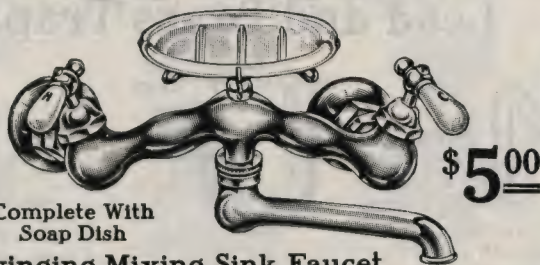
5-B-3501. Polished brass. For 1/2 inch iron pipe. Shipping weight, about 8 oz. Price..... **45c**

Compression Hose Laundry Bibb



5-B-3502. Same as No. 5-B-3501, but for 3/4 inch hose connection. Price..... **50c**

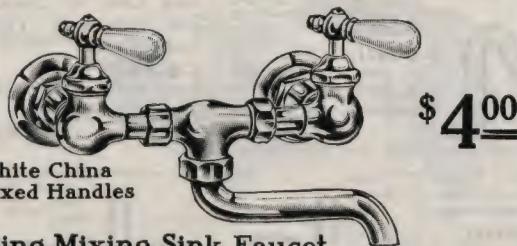
Swinging Mixing Faucets



Complete With Soap Dish

Swinging Mixing Sink Faucet

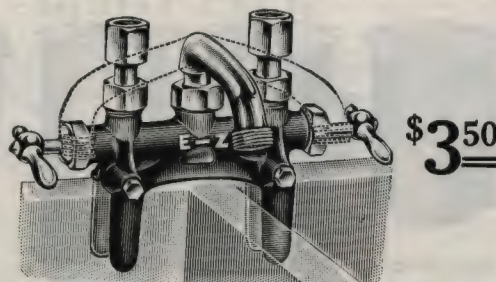
5-B-1603. Latest improved swinging mixing faucet for kitchen sinks. Made of heavy brass, highly nickel plated. Fitted with white china handles indexed for hot and cold water. The long spout mixes hot and cold water to just the right temperature and distributes the flow to all parts of the sink. White porcelain china soap dish supported by neat nickel plated bracket attached to top of faucet. Designed to fit standard openings in kitchen sinks. Made with flange and threaded for 1/2 inch pipe connections. Price, each..... **\$6.00**



White China Indexed Handles

Swinging Mixing Sink Faucet

5-B-1604. Mixing faucet with swinging spout for kitchen sinks. Designed to fit standard openings of all sinks. White china handles indexed for hot and cold water. Long spout mixes hot and cold water to the right temperature and enables you to distribute the flow practically to any part of the sink. Made with flange and threaded for 1/2 inch iron pipe connections. Made of brass highly nickel plated. Price, each..... **\$5.00**

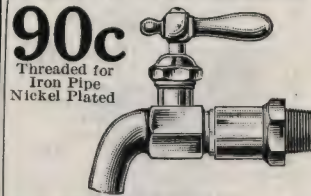


Saves Time and Fittings

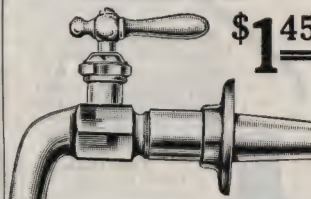
Swinging Mixing Laundry Tub Faucet

5-B-1605. Improved laundry tub faucet. Quickly and easily connected to any laundry tub; saves more than half of the time required for installation and more than its cost in fittings alone. The long spout mixes water to the right temperature and enables you to distribute the flow to both compartments of your laundry tub. Made of brass highly nickel plated. Fitted with adjustable lock nuts threaded for iron pipe connections. Price, each..... **\$3.50**

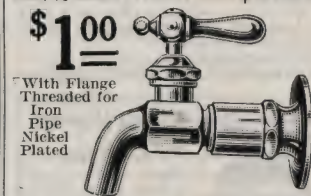
Fuller Pattern Plain Bibbs



5-B-2967. Size, 1/2 inch..... **90c**
5-B-2969. Size, 3/4 inch..... **\$1.00**
 Brass finished 15c less

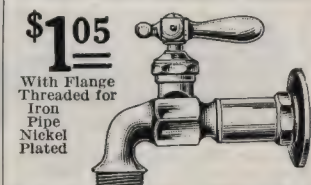


With Flange for Lead Pipe Connection, Nickel Plated.
5-B-2991. Size, 1/2 inch..... **\$1.45**
5-B-2993. Size, 3/4 inch..... **\$1.55**

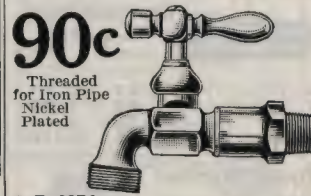


With Flange Threaded for Iron Pipe Nickel Plated
5-B-2975. Size, 1/2 inch..... **\$1.00**
5-B-2977. Size, 3/4 inch..... **\$1.25**

Fuller Pattern Hose Bibbs

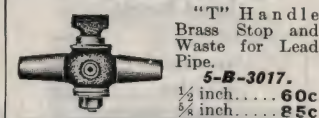


With Flange Threaded for Iron Pipe Nickel Plated
5-B-2979. Size, 1/2 inch..... **\$1.05**
5-B-2981. Size, 3/4 inch..... **\$1.20**



Threaded for Iron Pipe Nickel Plated
5-B-2971. Size, 1/2 inch..... **90c**
5-B-2973. Size, 3/4 inch..... **\$1.00**

Stop and Waste



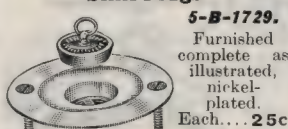
"T" Handle Brass Stop and Waste for Lead Pipe.
5-B-3017. 1/2 inch..... **80c**
 3/4 inch..... **85c**

Hydrant Clamps

21-B-3029. Each
 Size, 1/2 inch..... **8c**
 Size, 3/4 inch..... **9c**
 Size, 1 inch..... **10c**
 Size, 1 1/4 inch..... **11c**

General Plumbing Accessories

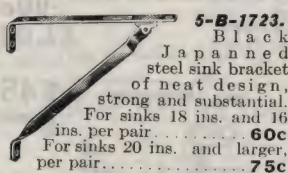
Sink Plugs



5-B-1729.

Furnished complete as illustrated, nickel-plated. Each... 25c

Sink Brackets



5-B-1723.

Black japanned steel sink bracket of neat design, strong and substantial. For sinks 18 ins. and 16 ins. per pair... 60c For sinks 20 ins. and larger, per pair... 75c

Force Cups



5-B-3033.

Used to force obstruction from closets, lavatories and sinks. Place the rubber cup over the opening and press down; this will form a suction and remove almost any obstruction, saving a plumber's bill which will easily pay for the force cup many times over. Without handle. Price, each... 35c

Low Tank Closet Valves



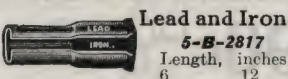
5-B-1300.

High grade pure rubber low tank closet valves. Choice of three sizes. Replace your leaky valve and water you are now wasting. They are quickly and easily replaced. Shipping weight about 6 ounces. 2 inch. Price... 20c 2 1/2 inch. Price... 24c 2 3/4 inch. Price... 30c

Rubber Fuller Balls

5-B-1302. Rubber Balls for Fuller bibbs. Sizes for bibbs, 1/2, 3/4. State size wanted and whether for hot or cold water. Shipping weight, 2 balls, about 2 ounces. Price for 2 balls... 5c

Combination Ferrules



Lead and Iron

5-B-2817

Length, inches 6 12

1 1/2 x 2 in. Price... \$0.63 \$0.95
1 1/2 x 2 in. Price... .65 1.00
2 in. Price... .70 1.15
4 in. Price... 1.25 2.10

Brass Ferrules

Used in connecting lead waste pipe to soil pipe.



5-B-2843. 4x4 ins. Each... 50c

Lead Bends

Standard Grades



Short Bends

5-B-2831. 4x12. Each... \$2.50

Long Bends

5-B-2837. 4x18. Each... \$3.35

Lead and Brass Traps



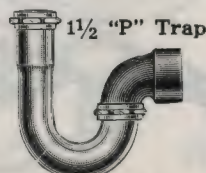
Lead "S" Trap

Short Lead "S"

Traps with iron pipe connections on outlet end.

5-B-2857. 1 1/4 ins. Price, each... \$1.35

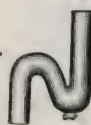
5-B-2859. 1 1/2 ins. Price, each... \$1.75



1 1/2 "P" Trap

5-B-2704. Nickel Plated Brass "P" Trap, fitted with 1 1/2 inch adjustable lock nut and 1 1/2 inch cast brass elbow threaded for iron pipe connection. Shipping weight about 12 ounces. Price, each... \$1.35

Lead "S" Trap

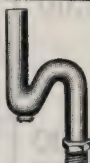


Short Lead "S"

Traps, plain ends in two standard sizes.

5-B-2851. 1 1/4 ins. Each... 85c

5-B-2853. 1 1/2 ins. Each... \$1.25



Long Lead "S" Traps, with iron pipe connection on outlet end.

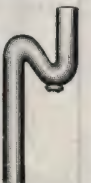
5-B-2871. 1 1/4 ins. Price, each... \$2.00

5-B-2873. 1 1/2 ins. Price, each... \$2.40

Long Lead "S" Traps, with plain ends. Two standard sizes.

5-B-2863. 1 1/4 ins. Price, each... \$1.45

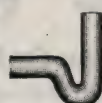
5-B-2865. 1 1/2 ins. Price, each... \$1.95



Half "S" or "P" Traps, with iron pipe connection on outlet end.

5-B-2887. 1 1/4 ins. Price, each... \$1.25

5-B-2889. 1 1/2 ins. Price, each... \$1.60

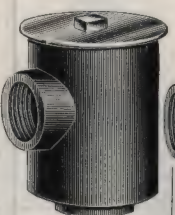


Half "S" or "P" Lead Traps, in two standard sizes.

5-B-2879. 1 1/4 ins. Price, each... 75c

5-B-2881. 1 1/2 ins. Price, each... \$1.10

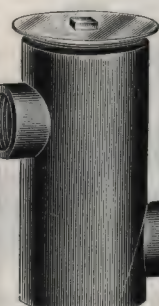
Iron and Lead Traps



Cast Iron Bath Traps

5-B-2811.

Complete with nickel plated covers for sinks, laundry tubs, bath tubs, etc. Tapped side and bottom for 1 1/2 in. iron pipe. 4x5x1 1/2 ins... 95c



5-B-1532.

Size, 4x8 inches. Tapped both sides for 1 1/2 in. pipe. Ship. wt. about 15 1/4 lbs. Price... \$1.15



Cast Iron Sink Traps

5-B-1537.

Lead Drum Traps

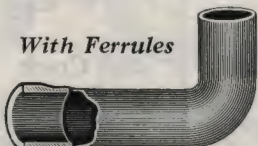
5-B-2815.

With nickel plated brass trap screw, size 4x9 inches. Each... \$3.25

Cast iron with brass cleanout plug connected direct to sink with bolts. Tapped for 1 1/2 in. pipe connection. Ship. wt. about 4 1/2 lbs. Price... 85c

Lead Bends

With Ferrules



Width, 5 1/2 inches. Inlet.

5-B-2819. 4x12. Each... \$3.20

5-B-2821. 4x14. Each... 3.35

5-B-2825. 4x18. Each... 3.95

Closet Bends Cast Iron



5-B-2839. Adjustable Flange Closet Bend. Size, 4x15 inches. Tapped both sides for 1 1/2 inch iron pipe. Shipping weight about 18 lbs. Price... \$1.30

5-B-2839 3/4. Plain Bend, 4x15 inches, not tapped. Price... \$1.05

Sink Strainers

5-B-1727.

Nickel plated sink strainers. Each... 15c



Sink Couplings



Illustration at left shows sink couplings for lead pipe connections.

Illustration at right shows sink couplings for iron pipe connections.

5-B-1737. Cast iron couplings for lead pipe connections... 6c

5-B-2739. Cast iron couplings for 1 1/4 inch and 1 1/2 inch iron pipe connections. Each... 20c

Metal Sink Plug

5-B-3143. Heavy Nickel Plated Brass Sink Plug adjustable to fit any sink. Tail piece 4 1/2 inches long. May be used as a slip connection with trap No. 5-B-2704 above. Price, each... 60c



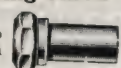
Sink Bolts



5-B-1733. Screw head bolts for cast iron sinks. Each... 2c

Brass Soldering Union

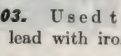
5-B-2905. Used to connect lead with iron.



Size, inches... 3/8 1/2 3/4 1
Price, each... 15c 20c 25c 33c
Size, inches... 1 1/4 1 1/2 2
Price, each... 43c 49c 60c

Brass Soldering Nipple

5-B-2903. Used to connect lead with iron pipe.



Size, inches... 1/2 3/4 1
Price, each... 14c 20c 27c
Size, inches... 1 1/4 1 1/2 2
Price, each... 35c 50c 68c

Rubber Extension Elbow



5-B-2901. Used to connect flush pipe with closet bowl; can be applied by anyone. Saves plumbers' bills. Adjustable from 3 1/4 to 5 1/4 inches from end of coupling to center of elbow.

Size, inches... 1 1/4
Price, each... 25c

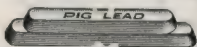
Stop Cocks & Plumbing Accessories

Gasoline Blow Torch



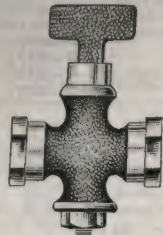
5-B-2911. Equipped with soldering iron attachment. Made of heavy brass and has non-leakable valves. The safest and best torch on the market. Fully guaranteed.
Capacity, 1 qt. Price... **\$5.95**

Pig Lead for Calking



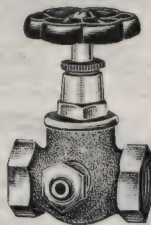
5-B-159. Pig lead for calking and all plumbing work.
Per pound..... **12c**

Compression Stop Cock



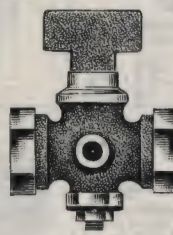
"T" Handle Brass Stop for Iron Pipe.

5-B-3011. Each
Size, 1/2 inch.. **\$0.53**
Size, 3/4 inch.. **.75**
Size, 1 inch.. **1.32**
Size, 1 1/4 inch.. **2.25**
Size, 1 1/2 inch.. **3.75**



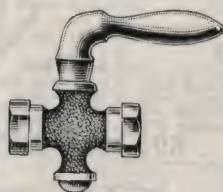
5-B-3012. Improved automatic compression waste valve. First or last half turn of handle closes or opens flow. Cannot waste under full compression. Threaded for iron pipe.

Size, 1/2 inch..... **\$0.65**
Size, 3/4 inch..... **.78**
Size, 1 inch..... **2.00**



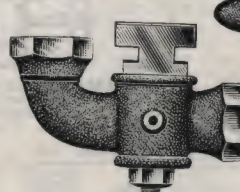
"T" Handle Brass Stop and Waste for Iron Pipe.

5-B-3013. Each
Size, 1/2 inch.. **\$0.55**
Size, 3/4 inch.. **.77**
Size, 1 inch.. **1.35**
Size, 1 1/4 inch.. **2.30**
Size, 1 1/2 inch.. **3.80**



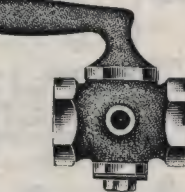
Lever Handle Brass Stop for Iron Pipe.

5-B-3019. Each
Size, 1/2 inch.. **\$0.53**
Size, 3/4 inch.. **.75**
Size, 1 inch.. **1.32**
Size, 1 1/4 inch.. **2.25**
Size, 1 1/2 inch.. **3.75**



Brass Hydrant Cock with Waste for Iron Pipe.

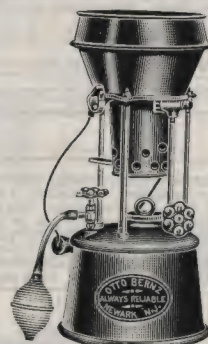
5-B-3027. Each
Size, 1/2 inch..... **\$1.40**
Size, 1 inch..... **2.05**
Size, 1 1/4 inch..... **3.25**



Lever Handle Brass Stop and Waste for Iron Pipe.

5-B-3021. Each
Size, 1/2 inch.. **\$0.55**
Size, 3/4 inch.. **.77**
Size, 1 inch.. **1.35**
Size, 1 1/4 inch.. **2.30**
Size, 1 1/2 inch.. **3.80**

Gasoline Blast Furnace



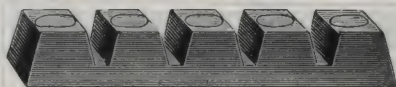
5-B-2913. Fitted with shield to hold melting pot. This furnace will produce quicker and hotter flame than any other furnace of its kind on the market.
Price..... **\$6.25**

Plumbers' Solder



5-B-2895. Made of proper proportions of pure block tin and pig lead. Comes in bars weighing about 1 1/4 lbs. each. We sell full bars only. Guaranteed to be the best plumbers' solder on the market. Price, per bar..... **60c**

Babbitt Metal



Intended to be used in bearings of various kinds. The different grades of babbitt that we offer we guarantee to be of the very best composition.

PREMIER BABBITT
5-B-6503. A special mixture embodying anti-friction ingredients, used on high speed engines. Price, per pound..... **35c**

Spun Oakum

Used for calking soil pipe and fittings. Comes in 50 lb. bales.

5-B-2907. Price, per full bale..... **\$5.50**
5-B-2908. In less than full bales, per lb..... **12c**



Calking Chisel



5-B-2923. Plumbers' calking chisel, made of special tool steel. Price, each..... **25c**

Yarning Irons

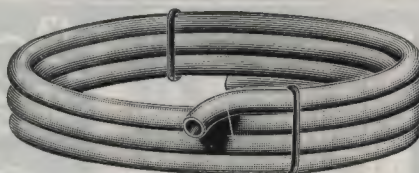
5-B-2925. Plumbers' yarning iron, made of special tool steel. Price, each..... **25c**

Bending Springs



5-B-2897. Used for bending lead pipe. Made of the best quality of spring steel.
Size, inches..... 1 1/4 1 1/2
Price, each..... **50c 58c**

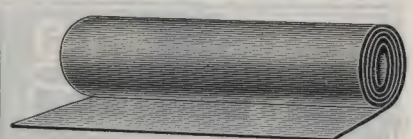
LEAD PIPE



We will furnish this pipe cut in lengths you may require. Prices are based on present market conditions. We will offer Lead Pipe subject to market changes.

5-B-2801. For waste pipe:
Diameter, inch..... 1 1/4 1 1/2 2 3/4 4
Weight, per foot..... 2 lb. 3 lb. 4 lb. 5 lb.
Price, per foot..... **36c 54c**
5-B-2803. Strong Lead Pipe.
Diameter, inches..... 2 1/2 3 3 1/2
Weight, per foot..... **46c 55c**
Price, per foot.....

Sheet Lead



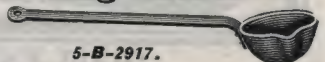
5-B-2805. Sheets are 24 inches wide.
Thickness, inches..... 1/2 1/4 1/8
Weight, per square foot..... **2 lbs. 4 lbs.**
Price, per square foot..... **44c 80c**

Melting Pots



5-B-2915. To be used in connection with our Gasoline Bulb Blast Furnace. Price..... **50c**

Melting Ladles



5-B-2917.
Size, across bowl, inches..... 3 5
Price..... **45c 68c**

Soldering Outfit



REFINED METAL SOLDER

A handy outfit for the man who wants to do repair work around the house. For outside work, we suggest that you include one of our blow torches described on this page. Five pieces complete: 1-lb. Soldering Copper, with handle; 1-lb. Solder; 1 Bar of Solder, about 1 1/4 lbs.; 1 Coil of Wire Solder, 1/4 lb.; 1 Piece of Rosin.

5-B-4900..... **\$1.25**

Soldering



5-B-2937. Weight, 1 lb. each. Furnished without handles. Price, each..... **50c**
5-B-2939. 2-lb. Soldering Copper.
Each..... **\$1.00**

Box Wood Dresser

5-B-2935. Plumbers' Box Wood Dresser.
Price, each..... **\$1.00**

Oval Shave Hook

5-B-2929. Plumbers' oval shave hook, crucible steel blade. Price, each..... **25c**

Bending Pins

5-B-2927. Plumbers' bending pins.
Price, each..... **20c**

Latest Bathroom Fixtures

Plate Glass Shelves



Brackets are adjustable solid brass, nickel-plated and highly polished. Plate glass shelf is polished and has rounded edges.

5-B-3027. Size of shelf, 18x5 inches. **\$1.50**
Price, each.....
5-B-3028. Size of shelf, 24x5 inches. **\$1.80**

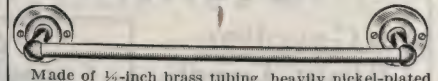
Bath Spray



Rubber bound, brass, nickel plated spray, 3 inches diameter, with 5 feet pure white rubber tubing, with holdfast rubber bulb.

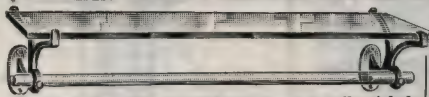
5-B-3019. Price, each.... **90c**

Towel Bars



Made of 1/2-inch brass tubing, heavily nickel-plated with cast posts, complete with screws. Each

5-B-3085. 15 inches long..... **75c**
5-B-3087. 18 inches long..... **80c**
5-B-3089. 21 inches long..... **83c**
5-B-3091. 24 inches long..... **86c**



Brackets are made of solid cast brass, heavily nickel-plated and polished. The shelf is made of plate glass, polished, with rounded edges. The bar is of solid round glass, 1 inch diameter, and can be readily removed.

5-B-3031. Size of shelf, 18x5 inches. **\$3.70**
Price, each.....
5-B-3032. Size of shelf, 24x5 inches. **\$4.00**
5-B-3033. Size of shelf, 30x5 inches. **4.25**



Detachable Hand Brush. The ideal thing for your bath room. Made of the highest class bristles

and warranted to wear. Its construction is such that it will last a good many years.
5-B-3201. Each..... **40c**

Glass Bar



Bar is made of clear 5/8 inch diameter. Posts are cast brass, heavily nickel plated and complete with screws. Each

5-B-3061. 15 inches long..... **90c**
5-B-3062. 18 inches long..... **\$1.00**
5-B-3063. 24 inches long..... **1.15**



5-B-532. Made with two 1/4 inch rods 10 inches long. **95c**
Price, each.....

5-B-533. Made with three 1/4 inch rods 10 inches long. **\$1.15**
Price, each.....



5-B-3065. Tumbler Holders. Solid brass, heavily nickel-plated and highly polished. Complete, with screws. **60c**
Price, each.....

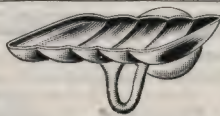


5-B-3066. Tumbler and tooth brush holder combined. Solid brass, heavily nickel-plated and highly polished. Complete with screws. **69c**
Price, each.....

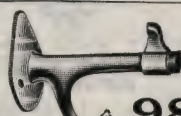


5-B-3075. The rods are heavily nickel-plated, ends are rubber covered to protect bath tub. The seat is of finished oak. Will fit any bath tub. Size, 18x6 in. Price, each..... **90c**

5-B-3025. Same as above, 5-coat white enamel finish. The handsomest Bath Seat made. **\$1.00**
Price, each.....



5-B-3041. Soap Dish. Made to fasten to wall. Solid brass heavily nickel plated and highly polished. Complete with screws. **55c**
Price, each.....



5-B-294. Door bumper and coat hook made of cast brass; nickel plated, 4 in. long. **98c**
Price, each.....



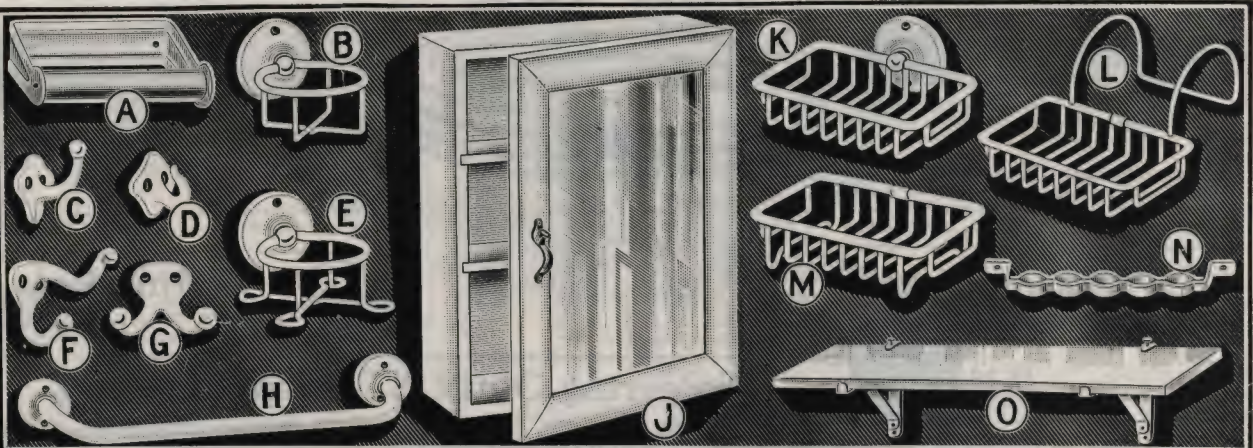
5-B-291. Water bag hook made of cast brass. Nickel plated, 5 inches long. **70c**
Price, each.....



5-B-3035. Whisk broom holder. Made of brass, heavily nickel plated, highly polished, and complete with screws. Price, each.... **30c**



5-B-3003. Toilet Paper Holder. Made of brass, heavily nickel-plated and highly polished, with ebony roller. Price, each..... **22c**



"Maid-EN-White" and Nickel-Plated Bathroom Fixtures

Made of heavy weight material, beautifully designed and smoothly finished. Nickel-plated fittings are guaranteed not to peel or tarnish. The white enameled fittings are guaranteed not to crack, peel or discolor. By a special process, the parts used in the construction of these fittings are joined together by expanding

the metal so that the entire piece is practically one. No solder is used on these fixtures. All "Maid-EN-White" fixtures requiring screws are furnished with white enameled screws; nickel-plated fixtures with nickel-plated screws.

Item	White Enameled	Nickel Plated	Item	White Enameled	Nickel Plated	Item	White Enameled	Nickel Plated
"A" Toilet Paper Holder.....	\$0.55	\$0.30	"J" Wood Medicine Cabinet, 15 1/2 inches high, 11 1/2 inches wide. White enameled French plate mirror..	\$4.00		"O" Milk White Glass Shelf, 5 inches wide, 1/4 inch thick, edges rounded and polished, enameled brackets, 24 inches long....	\$2.50	
"B" Tumbler Holder.....	.57	.30	"L" Bathtub Soap Dish, 4 3/4 x 3 1/4 x 1 1/4, Medium Size....	.65	\$0.55	"O" Milk White Glass Shelf, 5 inches wide, 1/4 inch thick, edges rounded and polished, enameled brackets, 30 inches long....	\$2.85	
"C" Single Robe Hook.....	.25	.10	"L" Bathtub Soap Dish, 5 1/2 x 4 x 1 1/4, Large Size.....	.85	.65	"O" Crystal Glass Shelf, 5 inches wide, 1/4 inch thick, edges rounded and polished, nickel-plated brackets, 18 inches long..	\$1.10	
"D" Razor Strap Hook.....	.25	.10	"M" Stand Soap Dish, 4 3/4 x 3 1/4 x 1 1/4, Medium Size.....	.45	.25	"O" Crystal Glass Shelf, 5 inches wide, 1/4 inch thick, edges rounded and polished, nickel-plated brackets, 24 inches long..	\$1.25	
"E" Tooth Brush and Tumbler Holder.....	.70	.40	"M" Stand Soap Dish, 5 1/2 x 4 x 1 1/4, Large Size.....	.63	.40	"O" Crystal Glass Shelf, 5 inches wide, 1/4 inch thick, edges rounded and polished, nickel-plated brackets, 30 inches long..	\$1.50	
"F" Double Robe Hook.....	.25	.15	"N" Tooth Brush Holder.....	.32	.15			
"G" Twin Robe Hook.....	.25	.15	"O" Milk White Glass Shelf, 5 inches wide, 1/4 inch thick, edges rounded and polished, enameled brackets, 18 ins. long.	\$2.30				
"H" One-Piece Towel Bars, 18 inches long.....	.95	.65						
"H" One-Piece Towel Bars, 24 inches long.....	1.15	.80						
"H" One-Piece Towel Bars, 30 inches long.....	1.50	1.00						
"K" Wall Soap Dish, 4 3/4 x 3 1/4 x 1 1/4, Medium Size.....	.85	.50						
"K" Wall Soap Dish, 5 1/4 x 4 x 1 1/4, Large Size.....	.90	.60						

GUARANTEED SOIL PIPE AND FITTINGS



Cast
Iron

SINGLE HUB SOIL PIPE

No. 5-B-2301.	2 in. Std. single hub.	\$0.90
No. 5-B-2303.	2 in. Ex. Hvy. single hub.	1.20
No. 5-B-2305.	4 in. Std. single hub.	1.55
No. 5-B-2307.	4 in. Ex. Hvy. single hub.	2.50

QUARTER BENDS

No. 5-B-2309.	2 inch Standard.	30c
No. 5-B-2311.	2 inch, Ex. Hvy.	41c
No. 5-B-2313.	4 inch, Standard.	52c
No. 5-B-2315.	4 inch, Extra Hvy.	63c

QUARTER BENDS—SIDE INLET—RIGHT OR LEFT HAND

No. 5-B-2317.	4 inch, Std., 2 in. inlet.	92c
No. 5-B-2319.	4 inch, Extra Heavy, 2 in. inlet.	\$1.15

QUARTER BENDS—HEEL INLET

No. 5-B-2325.	4 in., Std., 2 in. inlet.	92c
No. 5-B-2327.	4 in., Extra Heavy, 2 in. inlet.	\$1.15

QUARTER BENDS—DOUBLE HUB

No. 5-B-2333.	4 in., Standard.	90c
No. 5-B-2335.	4 in., Ex. Hvy.	\$1.04

LONG QUARTER BENDS

No. 5-B-2341.	4x18 in., Standard.	\$1.12
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No. 5-B-2343.	4x18 in., Extra Hvy.	\$1.38
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SIXTH BENDS

No. 5-B-2345.	2 inch, Standard.	30c
No. 5-B-2347.	2 inch, Ex. Hvy.	33c
No. 5-B-2348.	4 inch, Standard.	44c
No. 5-B-2349.	4 in., Ex. Hvy.	55c

EIGHTH BENDS

No. 5-B-2350.	2 inch, Standard.	26c
No. 5-B-2351.	2 inch, Ex. Hvy.	30c
No. 5-B-2353.	4 inch, Standard.	44c
No. 5-B-2355.	4 in., Ex. Hvy.	55c

"T" BRANCHES

No. 5-B-2357.	2 x 2 Standard.	40c
No. 5-B-2359.	2 x 2, Extra Hvy.	56c
No. 5-B-2360.	4 x 2 Standard.	63c
No. 5-B-2361.	4 x 2, Extra Heavy.	82c
No. 5-B-2363.	4x4 Std.	86c
No. 5-B-2365.	4x4 Extra Heavy	\$1.04

SANITARY "T" BRANCHES

No. 5-B-2367.	2 x 2 Standard.	41c
No. 5-B-2369.	2 x 2, Extra Hvy.	56c
No. 5-B-2371.	4 x 2 Standard.	63c
No. 5-B-2373.	4x2 Ex. Hvy.	81c
No. 5-B-2375.	4x4 Standard.	83c
No. 5-B-2377.	4x4 Extra Heavy	\$1.04

SANITARY "T" BRANCH

No. 5-B-2379.	4x4 in., Std.	\$1.78
No. 5-B-2381.	4x4 in., tapped 1 1/2 in., Extra Heavy.	\$1.97

VENTILATING BRANCHES WITH SIDE INLET

No. 5-B-2689.	4 x 2 Standard.	\$1.04
No. 5-B-2671.	4 x 2 Extra Heavy.	\$1.52

SANITARY "T" BRANCH WITH SIDE INLET—RIGHT OR LEFT HAND

No. 5-B-2383.	4x4, with 2 in. inlet, Std.	\$1.58
No. 5-B-2385.	4x4, with 2 in. inlet, Ex. Hvy.	\$1.77

SANITARY "T" BRANCH TAPPED FOR IRON PIPE

No. 5-B-2407.	2 x 1 1/2 Standard.	56c
No. 5-B-2409.	2 x 1 1/2, Ex. Hvy.	67c
No. 5-B-2411.	2 x 2 Standard.	56c
No. 5-B-2413.	2 x 2, Extra Hvy.	67c
No. 5-B-2415.	4x1 1/2 Std.	93c
No. 5-B-2417.	4x1 1/2 Extra Heavy.	\$1.25
No. 5-B-2419.	4x1 1/2 Standard.	93c
No. 5-B-2421.	4x1 1/2 Extra Heavy.	\$1.25
No. 5-B-2423.	4x2 Standard.	93c
No. 5-B-2425.	4x2 Extra Heavy.	\$1.25

"T" BRANCH WITH HAND HOLE FOR CLEAN OUT

No. 5-B-2431.	4 in., Standard.	\$1.47
No. 5-B-2433.	4 inch, Ex. Hvy.	\$1.70

CROSSES

No. 5-B-2439.	4x4 Standard.	\$1.33
No. 5-B-2441.	4x4 Ex. Hvy.	\$1.60

SANITARY CROSSES

No. 5-B-2447.	4x2 Standard.	\$1.33
No. 5-B-2449.	4x2, Ex. Hvy.	\$1.60
No. 5-B-2451.	4x4 Standard.	\$1.33
No. 5-B-2453.	4x4 Extra Heavy	\$1.60

TAPPED CROSSES

Side Opening for Standard Iron Pipe.

No. 5-B-2459.	2 x 1 1/2 Standard.	86c
No. 5-B-2461.	2 x 1 1/2, Extra Heavy.	\$1.04
No. 5-B-2463.	2x2 Standard.	86c
No. 5-B-2465.	2x2 Extra Heavy.	\$1.04
No. 5-B-2471.	4 x 1 1/2 Standard.	\$1.04
No. 5-B-2473.	4x1 1/2 Extra Heavy.	\$1.36
No. 5-B-2475.	4x2 Standard.	\$1.04
No. 5-B-2477.	4x2 Extra Heavy.	\$1.36

SANITARY CROSSES TAPPED FOR STANDARD IRON PIPE

No. 5-B-2483.	2x1 1/2 Standard.	93c
No. 5-B-2485.	2x1 1/2 Ex. Hvy.	\$1.15
No. 5-B-2487.	2 x 2 Standard.	93c
No. 5-B-2489.	2 x 2 Extra Heavy.	\$1.15
No. 5-B-2495.	4x1 1/2 Standard.	\$1.30
No. 5-B-2497.	4x1 1/2 Extra Heavy.	\$1.58
No. 5-B-2499.	4x2 Std.	\$1.30
No. 5-B-2501.	4x2 Ex. Hvy.	\$1.58

"S" TRAPS WITH HAND HOLE AND COVER

No. 5-B-2689.	4 in. Std.	\$1.73
No. 5-B-2691.	4 in. Ex. Hvy.	\$2.29

Please Read!

Every length of soil pipe is thoroughly tested and fully guaranteed. Comes to you in 5 ft. lengths only.

SIDE OPENING BRANCHES TAPPED FOR IRON PIPE

No. 5-B-2387.	2x1 1/2 Standard.	52c
No. 5-B-2389.	2x1 1/2, Extra Heavy.	63c
No. 5-B-2391.	2x2 Standard.	52c
No. 5-B-2393.	2x2 Extra Heavy.	63c
No. 5-B-2395.	4x1 1/2 Standard.	75c
No. 5-B-2397.	4x1 1/2, Extra Heavy.	93c
No. 5-B-2399.	4x1 1/2 Standard.	75c
No. 5-B-2401.	4x1 1/2 Extra Heavy.	93c
No. 5-B-2403.	4x2 Standard.	75c
No. 5-B-2405.	4x2 Extra Heavy.	93c

"Y" BRANCHES

No. 5-B-2502.	2x2 Standard.	41c
No. 5-B-2503.	2x2, Extra Heavy.	55c
No. 5-B-2504.	4x2 Standard.	63c
No. 5-B-2505.	4x2 Extra Heavy.	81c
No. 5-B-2506.	4x4 Standard.	86c
No. 5-B-2507.	4x4 Ex. Hvy.	\$1.04

OFF-SETS

No. 5-B-2539.	2x12 Standard.	86c
No. 5-B-2541.	2x12, Extra Heavy.	\$1.04
No. 5-B-2543.	4x4 Standard.	72c
No. 5-B-2545.	4x4 Extra Heavy.	93c

No. 5-B-2547.	4x6 Standard.	81c
No. 5-B-2549.	4x6 Extra Heavy.	\$1.04

No. 5-B-2561.	4x12 Standard.	\$1.19
No. 5-B-2563.	4x12 Extra Heavy.	\$1.48

VENTILATING CAPS

No. 5-B-2599.	4x6 Standard.	67c
No. 5-B-2601.	4x6 Extra Heavy.	81c
No. 5-B-2603.	4x12 Std.	\$1.33
No. 5-B-2605.	4x12 Ex. Hy.	\$1.94

PIPE RESTS

No. 5-B-2625.	2 in. Std.	22c
No. 5-B-2627.	2 in. Ex. Hvy.	29c
No. 5-B-2629.	4 in. Std.	30c
No. 5-B-2631.	4 in. Ex. Hvy.	32c

ADJUSTABLE ROOF FLANGE

Made of Galvanized Iron—will fit any pitch.

No. 5-B-1085.	1 1/2 in.	90c
No. 5-B-1087.	1 1/2 in.	90c
No. 5-B-1089.	2 in.	\$1.00
No. 5-B-1091.	4 in.	\$1.20
No. 5-B-1091 1/2.	5 in.	\$1.70

TAPPED INCREASERS—SMALL OPENING TAPPED FOR STANDARD PIPE

No. 5-B-2573.	1 1/2 to 4 in. Standard.	\$1.12
No. 5-B-2575.	1 1/2 to 4 in. Extra Heavy.	\$1.37
No. 5-B-2577.	2 to 4 in. Standard.	\$1.12
No. 5-B-2579.	2 to 4 inch Extra Heavy.	\$1.37

REDUCERS

No. 5-B-2581.	4 to 2 inch Standard.	30c
No. 5-B-2583.	4 to 2 inch Extra Heavy.	32c

DOUBLE HUB SOIL PIPE

No. 5-B-2302.	2 in. Std. double hub.	\$0.95
No. 5-B-2304.	2 in. Ex. Hvy. double hub.	1.25
No. 5-B-2306.	4 in. Std. double hub.	1.65
No. 5-B-2308.	4 in. Ex. Hvy. double hub.	2.60

DOUBLE HUBS

No. 5-B-2585.	2 inch Standard.	30c
No. 5-B-2587.	2 inch Extra Heavy.	33c
No. 5-B-2589.	4 inch Standard.	45c
No. 5-B-2590.	4 inch Extra Heavy.	56c

"S" TRAPS

No. 5-B-2634.	4 in. Standard.	\$1.12
No. 5-B-2635.	4 in. Ex. Hvy.	\$1.38

HALF "S" TRAPS

No. 5-B-2645.	2 in. Standard.	67c
No. 5-B-2647.	2 in. Ex. Hvy.	81c
No. 5-B-2649.	4 in. Standard.	\$1.12
No. 5-B-2651.	4 inch Extra Heavy.	\$1.38

RUNNING TRAPS

No. 5-B-2657.	4 in. Std.	\$1.12
No. 5-B-2659.	4 in. Extra Heavy.	\$1.38

ROOF PLATES

No. 5-B-2607.	4 in. Standard.	56c
No. 5-B-2609.	4 in. Ex. Hvy.	67c

HALF "S" TRAPS WITH HAND HOLE AND COVER

No. 5-B-2713.	4 in. Std.	\$1.73
No. 5-B-2715.	4 in. Extra Heavy.	\$2.30

RUNNING TRAPS WITH HAND HOLE AND COVER

No. 5-B-2745.	4 in. Std.	\$1.73
No. 5-B-2747.	4 in. Extra Heavy.	\$2.30

LONG INCREASERS FOR CALKING

No. 5-B-2717.	2 to 4 x 24 in. long Standard.	93c
No. 5-B-2719.	2 to 4 x 24 in. long. Extra Heavy.	\$1.15
No. 5-B-2737.	4 to 5 in., 30 in. long. Standard.	\$1.48
No. 5-B-2739.	4 to 5 in., 30 in. long. Extra Heavy.	\$1.80

LONG INCREASERS TAPPED FOR IRON PIPE

No. 5-B-2723.	4 x 24 tapped 2 in. Standard.	\$1.65
No. 5-B-2727.	4 x 24 tapped 2 in. Extra Heavy.	\$2.00

CLEAN OUT PLUGS

Iron Ferrule with Brass Trap Screw.		
No. 5-B-2759.	2 in.	35c
No. 5-B-2761.	4 in.	45c

CAST IRON CESSPOOLS WITH BELL TRAPS

No. 5-B-2753.	6x6.	50c
No. 5-B-2755.	9x9.	\$1.00
No. 5-B-2757.	12x12.	\$1.35

Black Wrought Steel Pipe Galvanized

New Black and Galvanized Pipe

6-B-1. Brand new black and galvanized wrought steel pipe, fully tested and guaranteed. Best quality made, easily cut and threaded. Comes in standard full lengths ranging from 18 to 21 feet; each length threaded on both ends fitted with coupling on one end. Prices below are for full lengths only as it comes from the mill and are based on latest

market prices. All prices shown are for quantities up to 1,000 feet. Ask for special prices on larger quantities. Freight prepaid prices quoted on request.

Size of pipe determined by its inside diameter.

Inside Diameter, Inches	Outside Diameter, Inches	Weight, Per Foot, Pounds	Price, Per Foot, Black	Price, Per Foot, Galvanized
Three-eighths.....	0.67	0.56	\$0.04	\$0.06
One-half.....	0.84	0.85	.05½	.07
Three-quarters.....	1.05	1.13	.06½	.08
One.....	1.31	1.68	.09	.11
One and one-quarter.....	1.66	2.28	.12½	.16
One and one-half.....	1.9	2.73	.15	.19
Two.....	2.37	3.67	.20	.25
Two and one-half.....	2.87	5.81	.30	.45
Three.....	3.5	7.61	.40	.58
Three and one-half.....	4.	9.20	.52	.69
Four.....	4.5	10.88	.60	.82
Four and one-half.....	5.	12.64	.70	
Five.....	5.56	14.81	.80	
Six.....	6.62	19.18	1.00	

We can furnish all sizes up to 12 inches. Write for prices on larger sizes

Boiler Tubes for Retubing Purposes

6-B-9. Carefully selected over-hauled boiler tubes guaranteed satisfactory for retubing boilers of every kind. All tubes tested and inspected before shipment. Orders are accepted with the understanding that unsatisfactory boiler tubes can be returned to us, upon inspection we will cheerfully exchange them for other tubes or return your money. These tubes are cut to lengths, they have square ends and are perfectly straight.

Inside Diameter, Inches	Inside Diam., Inches	Weight, Per Foot	Price, Per Foot
Two.....	1.81	1.93	\$0.08
Two and one-quarter.....	2.06	2.18	.12
Three.....	2.78	3.36	.15
Three and one-quarter.....	3.01	4.01	.16
Three and one-half.....	3.26	4.33	.17
Four.....	3.73	5.53	.18

All Pipe Prices Above Are Subject to Market Changes and Stock on Hand

Cast Iron Black Drainage Fittings Threaded for Wrought Iron Pipe

These fittings have an interior shoulder to which the pipe screws up flush, thus giving an unobstructed passage, preventing pipe from becoming choked up by any solid matter.



Drainage Basin Tee

21-B-124.

Size, 1½ inches. Price.....**47c**
Size, 2 inches. Price.....**70c**



Drainage Street Elbow

21-B-125.

Size, 1½ inches. Price.....**36c**



Wrought Iron Long Screw

21-B-126.

With Coupling and Lockout, Faced, Galvanized.

Size, 1½"x5½" long. Price.....**96c**
Size, 2"x6" long. Price...**\$1.60**

ALL PRICES ON THIS PAGE SUBJECT TO CHANGE

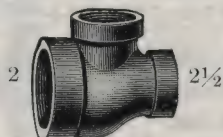
How to Order Reducing Tees and Crosses

Reducing Tees

1st. Always give end or run openings. Then side openings.

Example

1¼



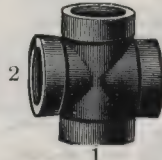
Order should read: "2x1½x1¼."

Reducing Crosses

Always mention all openings. Reading straight across, then up and down.

Example

1



Order should read: "2x2x1x1."

CAST IRON FLANGE

When ordering cast iron flanges be sure to mention size of pipe and diameter of flange. We can furnish in three ways: "Not Faced or Drilled," "Faced" and "Faced and Drilled." When ordering be sure to give size, figure number and price. Bolts are extra.

21-B-201. 2nd. Cast Iron Flange. Faced.
21-B-202. 3rd. Cast Iron Flange. Faced and Drilled.

Inside Pipe Inch	Outside Flange, Inch	"Faced"	"Faced and Drilled"	Inside Pipe Inch	Outside Flange, Inch	"Faced"	"Faced and Drilled"
	6	\$0.60	\$0.82	4	9	\$1.10	\$1.47
2½	7	.70	.88	5	10	1.30	1.65
3	7½	.80	1.00	6	11	1.62	2.05
3½	8½	.96	1.25				

Wrought Iron Pipe Cast Iron Black Drainage Fittings. Threaded.

NOTICE.—The sizes given for fittings refer to the size of the pipe on which fittings are to be used. Carefully measure the inside of the pipe. NOT the coupling, and order by this size.

90 Degree Drainage Elbow



21-B-121.

Size, 1½ inches. Price.....**31c**
Size, 2 inches. Price.....**47c**

45 Degree Drainage Elbow



21-B-122.

Size, 1½ inches. Price.....**31c**
Size, 2 inches. Price.....**47c**

45 Degree Y Drainage



21-B-127.

Size, 1½ inches. Price.....**54c**
Size, 2 inches. Price.....**79c**

For Water & Gas Lines—Plumbing & Heating Systems

Malleable Iron Fittings

For Standard Wrought Iron Pipe are made of the best grade of malleable iron, great care being used in the selection of material and their manufacture; all fittings are inspected and tested before shipment, guaranteed water, air and gas tight. Give size and price when ordering.

153

Branch Tees and Manifolds

All openings or runs in manifolds are tapped right hand thread. Figure No. 1 is tapped right hand thread both run and branches. Figures No. 2 and 3 are tapped left hand thread so when ordering manifolds it is necessary always to order one Figure No. 1 in connection with either Figure No. 2 or 3 as this will then give you one manifold with a right hand thread and one with a left hand thread.

When figuring the price on Figures No. 2 and 3 manifolds, always take the price of the one branch larger on account of the back opening being charged as a branch. In other words, if you wish to order a six branch manifold Figure No. 2 or 3, the price would be the same as that of a No. 7. This only applies to Figures No. 2 and 3.

All Prices on This Page Subject to Change



Fig. 1

1 in. Branch Tees 1 in. or 1 1/4 in. run are 1 3/4 in. inside diameter.
1 in. Branch Tees 1 1/2 in. or 2 in. run are 2 1/4 in. inside diameter.
1 1/4 in. Branch Tees are all 2 1/2 in. inside diameter.



Fig. 2

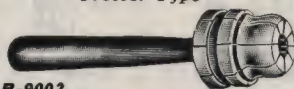
1 1/2 in. Branch Tees are all 2 3/4 in. inside diameter.
2 in. Branch Tees are all 3 1/2 in. inside diameter.
Always order Branch Tees by size and figure number.



Fig. 3

No. of Branches	1' Branch Tees, 2 1/4" C. to C.			1 1/4' Branch Tees, 3' C. to C.			1 1/2' Branch Tees, 3 1/2" C. to C.			2' Branch Tees, 4 1/2" C. to C.		
	1' or 1 1/4' Run	1 1/4' Run	2' Run	1 1/4' or 1 1/2' Run	2' Run	2 1/2' Run	1 1/2' or 2' Run	2 1/2' Run	3' Run	2' or 3' Run	2 1/2' or 3' Run	3 1/2' Run
2	\$0.84	\$0.93	\$1.07	\$1.57	\$1.74	\$2.24	\$2.52	\$3.23	\$3.55	\$4.91	\$5.37	\$5.37
3	1.07	1.08	1.26	1.87	2.24	2.65	3.13	3.88	4.30	5.98	6.54	6.54
4	1.09	1.21	1.90	2.62	2.70	3.31	3.74	4.67	5.13	7.14	7.94	7.94
5	1.48	1.63	1.95	3.62	3.71	4.39	4.35	5.37	5.73	8.23	9.11	9.11
6	1.74	2.06	2.28	3.99	4.64	5.69	5.47	6.07	6.76	9.74	10.98	10.98
7	2.05	2.28	2.56	4.49	4.90	6.35	6.07	7.72	8.41	11.44	12.81	12.81
8	2.48	2.70	3.18	4.67	5.46	7.39	7.11	8.65	9.35	12.61	14.02	14.02
9		3.07	3.74	4.90	6.07	8.35	7.48	9.10	9.97			
10		3.20	4.00			9.14	7.94	9.81	10.74			
11		4.43	4.78									
12												

Sectional Spring Tube Expander



4-B-9002.

The Prossor Type Sectional Spring Tube Expanders. A heavy, substantial tool, same style as used in boiler shops. Made of the highest grade tool steel for 3/4 inch boiler. In ordering be sure and give outside diameter of tubes.
Size, ins. . . 1 1/4 2 2 1/4 2 1/2 3
Price, each. \$5.40 \$5.50 \$6.90 \$8.00 \$11.70

Expansion Flue Brushes



CLOSED

OPEN

4-B-9009. Made of malleable iron and tempered steel. Sizes given are for flues outside diameter.

Size Inches	Price Each	Size Inches	Price Each
1 1/4	\$1.20	2 1/2	\$1.50
1 3/4	1.25	3	1.80
2	1.30	3 1/2	2.10
2 1/4	1.35	4	2.40

Engineers' Favorite Flue Scraper

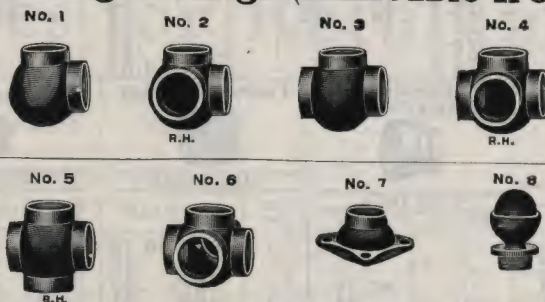


4-B-9007. Has adjustable screw and good cutting edges that enable the operator to clean flues thoroughly. Sizes given are for tubes, outside diameter.

Size Inches	Price Each	Size Inches	Price Each
1 1/4	\$0.55	2 1/2	\$1.15
1 3/4	.60	3	1.35
2	.80	3 1/2	1.55
2 1/4	1.05	4	1.80

4-B-9000. Beading tool for beading end of boiler tubes. Price, each. .90c

Railing Fittings (Malleable Iron)



21-B-96. To be used in connection with Standard Pipe for the purpose of constructing fences and enclosures of all kinds.

PLEASE READ WITH CARE—To construct a railing, two pipes high, the upper outlet of all fittings in the lower rail should be tapped with left hand thread. As fittings used for this purpose do not need to be steam or water tight, a sufficiently clean thread to screw up well and make a good job can be made by running a left hand tap into any outlet tapped right hand.

Order from figure number above—note illustration.

Sizes, inches	1/2	3/4	1	1 1/4	1 1/2	2
No. 1. Elbow	\$0.06	\$0.10	\$0.14	\$0.23	\$0.32	\$0.57
No. 2. Elbow Side Outlet	.07	.11	.15	.25	.35	.60
No. 3. Tee	.06	.10	.14	.23	.33	.60
No. 4. Tee, S. Outlet	.07	.11	.15	.25	.35	.60
No. 5. Cross	.08	.12	.16	.27	.37	.65
No. 6. Cross, S. Outlet	.10	.15	.18	.30	.40	.70
No. 7. Floor Flange	.07	.11	.15	.25	.35	.60
No. 8. Acorn Ornaments	.06	.10	.14	.23	.32	.57

Drop Fittings in Black and Galvanized



Long Drop Elbows . . . 3/8 6c 8c 3/4 7c 8c
Short Drop Ells . . . 3/8 6c 8c 3/4 7c 8c
Drop Tees . . . 3/8 6c 8c 3/4 7c 8c
Dia. Flange . . . 3/8 6c 8c 3/4 7c 8c
1 1/2 11c 15c 3/4 13c 19c

Cast Iron Floor Flanges Drilled for Screws



Pipe size, in. 3/8 1/2 3/4 1 1 1/4 1 1/2 2
Dia. Flange . . . 3 3 1/2 3 3/4 4 4 1/2 5 1/2
Price, each. .09c 10c 13c 14c 15c 17c 27c

Cast Iron Hook Plates

For Pipe Spread of		NUMBER OF HOOKS					
No.	Inch Hooks	1	2	3	4	5	6
21-B-79	1 1/4	10c	19c	24c	27c	33c	39c
21-B-80	1 1/2	11c	22c	28c	33c	42c	54c
21-B-81	1 3/4	15c	29c	44c	60c	75c	91c
21-B-82	2	23c	45c	67c	93c	\$1.19	\$1.37

Galvanized Goose-Neck Hydrants

21-B-805. A low priced, efficient hydrant, which is made in galvanized pipe only. The gooseneck has a standard hose thread to which the hose can be attached for fire protection purposes, lawn sprinkling, etc. The valve, which is placed below the frost line, is brass, and is so arranged that it will drain the hydrant when shut off, thus preventing freezing. The hydrant is provided with shut-off rod, complete, as shown in illustration.

Lgth. ft.	4	5	6
Size, 3/4	\$3.15	\$3.35	\$3.55
1	4.50	4.70	4.95
1 1/4	6.80	7.00	7.20

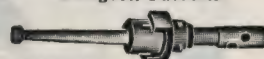
Boiler Tube Ferrules

21-B-9527. Seamless Copper Boiler Tube Ferrules. Used on ends of boiler tubes to make a perfect fit and a tight job. Sizes are for tubes outside diameter.



Sizes	Width, Inches	Thickness of Copper, Inches	Price Each
1 1/4	3/8	1-32	\$0.07
1 3/4	3/8	1-32	.08
2	3/8	1-32	.09
2 1/4	3/8	1-32	.10
2 1/2	3/8	1-32	.11
3	3/8	1-32	.13
3 1/2	3/8	1-32	.18

Roller Tube Expander Dudgeon Pattern



4-B-9003. This expander has a solid body, thus avoiding constant breaking of cap screws. Made of the best material and finely finished. Sizes given are for outside diameter tubes. If your tube measures 2 inches outside diameter you would then require a 2 inch Expander.

Size Inches	Price Each	Size Inches	Price Each
1 1/4	\$4.00	2 1/2	\$5.60
1 3/4	4.05	3	7.20
2	4.10	3 1/2	9.20
2 1/4	4.15	4	12.00

Injectors and Lubricators

Leader Injector



\$6.70

5-B-6002. Has no movable parts in its internal construction. No loose valves, rings or springs to get out of order. Has a great range of work under various conditions. It heats feed water to 200 degrees or more, according to conditions, making it very efficient, and by feeding through a closed "heater" efficiency is unequalled.

No. of Inj.	Size of pipes. Pipe & Feed	Horse Power of Boiler Will Feed	Gallons per hour 60 lbs. Steam	Price Each
1	3/8	3 to 7	60	\$ 6.70
2	3/8	7 to 10	90	7.55
3	1/2	12 to 18	150	9.20
4	1/2	18 to 25	220	10.50
5	3/4	25 to 35	300	12.60
6	3/4	35 to 45	400	14.70
7	1	45 to 60	500	16.80
8	1	60 to 70	600	18.90
9	1 1/4	70 to 90	750	23.10
10	1 1/4	100 to 125	1000	27.30

Chicago Automatic Injector



5-B-6008. Simplest automatic injector. Consists of three tubes, a body or shell and one check valve and bushing, held to place by screw thread joints and cannot drop out and become lost. The steam jet and forcing tube may be removed by monkey wrench and cleaned without breaking any pipe joints or removing injector from boiler.

Will start low from 15 to 20 lbs. steam pressure on 4 ft. lift and will work high from 135 to 145 lbs. steam pressure, or on a 20 to 22 ft. lift with a 60 to 90 lb. steam pressure. Will work water 120 to 125 degrees hot.

Size	Pipe con. Inches	Cap. per H. P. based on Ordinary	Price
No. 00.....	3/8	80 4 to 11	\$ 4.20
No. 0.....	1/2	135 10 to 19	5.25
No. 1.....	3/4	180 15 to 24	6.55
No. 2.....	1	260 18 to 34	7.65
No. 3.....	1 1/4	355 20 to 47	10.50
No. 4.....	1 1/2	475 40 to 64	11.85
No. 5.....	1 3/4	600 45 to 80	15.55
No. 6.....	2	800 55 to 106	

Brass Steam Whistles

5-B-6535.

Made of high grade steam metal and furnished complete with spring valves.



Diam. of Bell	Size of Pipe connection	Price
1 1/4	3/4	\$ 2.65
1 1/2	1	3.55
2 1/4	1 1/4	4.70
3 1/4	1 3/4	5.55
4	2	6.60

Water Gauges



5-B-9501. With brass body, iron wheels, two guards to protect glass tube.

Size	Glass Ins.	Price Each
1 1/2	3/4x10	\$1.60
2 1/2	3/4x12	1.75
3 1/2	3/4x16	2.65

Scotch Glass Tubes for Water Gauges



5-B-9525.

Length, Ins.	Price, Doz. 1/2 Ins.	Price, Doz. 3/4 Ins.	Price, Doz. 1 Ins.
10	\$1.15	\$1.17	\$1.36
11	1.21	1.23	1.50
12	1.35	1.37	1.62
13	1.44	1.46	1.80
14	1.58	1.60	1.94
15	1.67	1.70	2.07



Polished Brass Oil Cups

5-B-6019. High grade oil cups, made of brass nicely polished.

Diam. of Body	Pipe, Size, Inches	Price Each
3/4	1/8	\$0.25
1	1/4	.30
1 1/4	3/8	.45
1 1/2	1/2	.75
2	3/4	1.20

Plain Brass Grease Cups



5-B-6021.

Size	Inside Dia., Inches	Shank Thread	Grease Ozs.	Price Each
00	1	1/8	1/2	\$0.35
0	1 1/4	1/4	3/4	.45
1	1 1/2	1/4	1	.57
2	2	3/8	2	.75
3	2 1/2	1/2	3 1/2	1.10
4	3	3/2	5	1.45

Automatic Grease Cups for Bearings of All Kinds

5-B-6602.

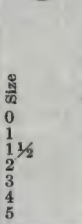


Size	Inside Dia., Inches	Shank Thread	Cap (Grease) Ozs.	Price Each
00	1/8	1/8	1/2	\$0.90
0	1 1/4	1/4	1	1.15
1	1 1/2	1/4	1 1/2	1.45
2	2	3/8	3	1.85
3	2 1/2	1/2	6	2.45



Sight-feed Snap Lever Glass Oil Cups

5-B-6601. We wish to call your particular attention to the fact that it is not necessary to adjust the feed each time, it being so constructed that when the desired feed is once set it can be stopped and started at will without resetting. This particular feature will save much trouble and annoyance.



Size	Outside Dia. of Glass	Height of Glass	Capacity, Ounces	Shank Pipe, Thread	Brass finish, Price, each
0	1 1/4	1 1/8	1 5/8	1/8	\$1.15
1	1 1/2	1 3/8	1	1/4	1.25
1 1/2	1 3/4	1 7/8	1 1/2	3/8	1.30
2	2	2 1/8	2 1/2	1/2	1.40
3	2 1/2	2 3/8	4	3/4	1.65
4	3	3 1/8	5	1	2.00
5	3 1/2	3 3/8	10	1 1/2	2.75

Steam Gauges



5-B-9511. Japanned iron case brass ring, complete with cock. They should not be used on traction or portable rigs. Always use a syphon with all steam gauges. These gauges register up to 30 lbs. for low pressure and up to 200 lbs. for high pressure. Give pressure wanted when ordering.

Size dials, inches.....	3 1/2	4 1/2
Price, each.....	\$2.10	\$2.25

Rubber Gauge Glass Washers

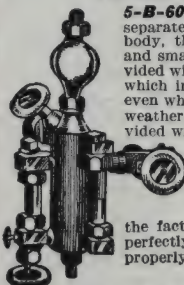
5-B-9523.



	Price per doz.
For 1/2 inch gauge glass.....	\$0.15
For 3/8 inch gauge glass.....	.18
For 3/4 inch gauge glass.....	.20

Chicago Double Connection Sight Feed Lubricator

For Stationary Engines



5-B-6011. The condenser valve is a separate piece and not part of the body, thus insuring ease of cleaning and small cost for repairs. It is provided with an ample heating chamber, which insures the oil remaining fluid even when exposed to the most severe weather. The lower feed iron is provided with a drain stem by which the sight glass may be blown out and cleaned without removing from lubricator. Each lubricator is subjected to a rigid test before leaving the factory and guaranteed to work perfectly if connected and operated properly.

Size	For Cylinder	Pipe Thread on Pipe Arm	Price Brass Finish
1/2 pt.	under 10	1/2 inch	\$ 8.00
1 pt.	10 to 12	3/4 inch	8.20
1 qt.	12 to 18	1/2 inch	10.20
1/2 gal.	18 to 30	3/4 inch	12.40
	30 and over	1 inch	19.00



Standard Cylinder Lubricator

5-B-6017. Made of the best steam metal, wood handles, and intended for those who desire a cheap, reliable lubricator.

No.	Dia., Thread	Size, Ins.	Price Each
1	1 1/4	3/8	\$1.80
2	1 1/4	1/2	1.90
3	2	1/2	2.10
4	2 1/2	1/2	2.30
5	2 1/4	1/2	2.75
6	3	3/4	3.45

Sight Feed Single Connection Lubricator

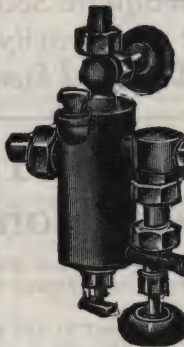


5-B-6013. For stationary and traction engines, steam pumps, air compressors and all classes of steam cylinders.

This lubricator will feed the heaviest oils even when exposed to the severest weather, and when once adjusted will feed regularly down to the last drop. The steam can be shut off from all parts of the lubricator and any part be repaired, or valve replaced, without stopping engine or shutting off pressure from steam pipe.

Size.....	1/4 pt.	1/2 pt.	1 pt.	1 qt.
Pipe thread, in.....	1/2	3/4	1	1 1/2
Price, each.....	\$7.00	\$7.20	\$8.60	\$9.80 \$11.60

Double Connection Sight Feed Lubricator



5-B-6015. For steam pumps, stationary and portable engines.

This is a medium priced, reliable lubricator for use on steam pumps and stationary engines which are exposed to the cold, and possesses all the advantages and features as contained in the Chicago single connection lubricator of the same style.

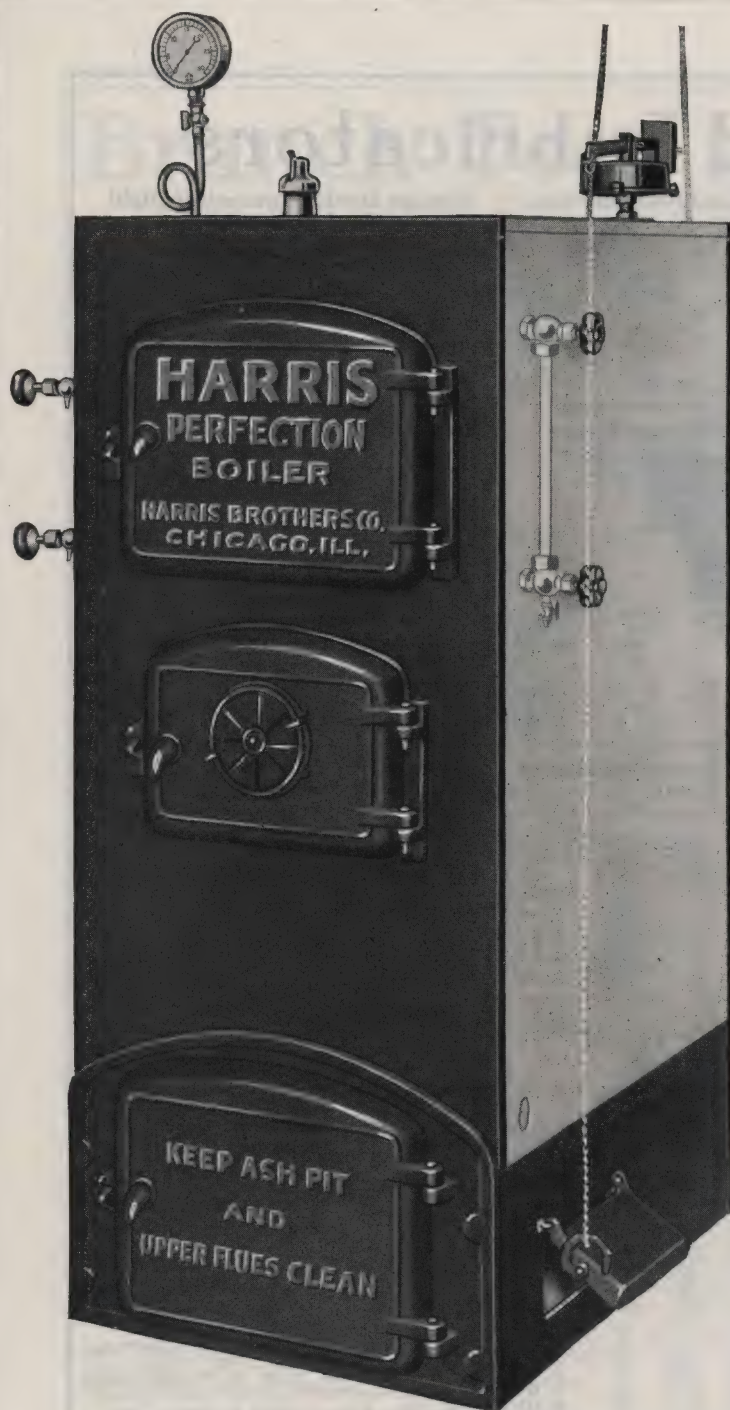
Size.....	1/4 pt.	1/2 pt.	1/2 pt.	1 pt.	1 qt.
Pipe thread, in.....	1/2	3/4	1	1 1/2	1 1/2
Price, each.....	\$6.80	\$7.00	\$7.40	\$9.60	\$11.40

Perfection Heating

Now Furnished with or without insulated Steel Jacket for Steam and Hot Water Heating Systems!

Harris Perfection square sectional Jacketed heating boilers are encased in an attractive annealed steel Jacket which is heavily insulated with asbestos. This double protection retains all the heat within the boiler, increases its efficiency, gives better heat circulation and assures the best performance from your heating system.

The attractive design and finish of a Steel Jacketed boiler will greatly improve the appearance of your basement.



Harris Perfection Square Sectional Boiler encased in the new heavily insulated attractively Designed Steel Jacket

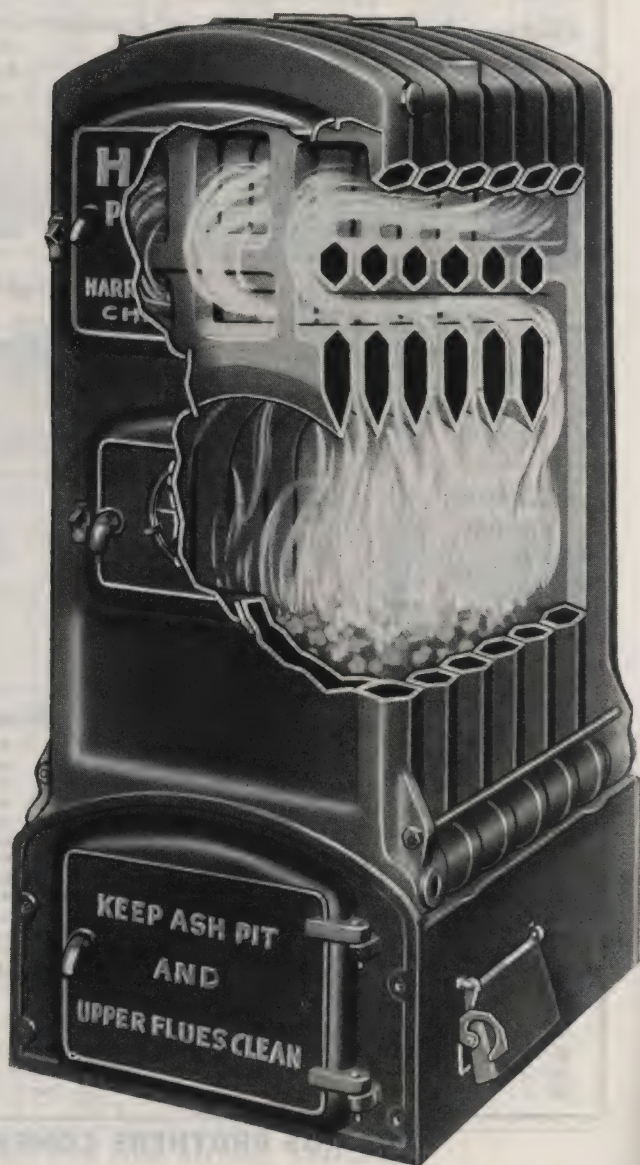
This Boiler Will Be Your Choice If Boiler Perfection Counts

Perfection square sectional, steam and hot water home heating boilers as they stand today are the result of constant experimenting, improving and tests for over 30 years.

Sections are smoothly and evenly cast in one piece from best gray iron carefully tested for strength and endurance.

Maximum heating surface and long smoke travel insures utmost heat from least fuel. Note: The entire firepot is surrounded by water.

The "V" shaped construction of castings—the straight self cleaning flue passages—the rocker type clinker cutting grate bars and the ability of these boilers to burn wood, coke, hard coal, soft coal or any fuel giving greatest efficiency at all times makes Perfection Boilers one of the most satisfactory on the market.



Sectional View of Perfection Boiler

Square Sectional Boilers

The Pulse of Comfort in Your Home

THE joy and healthful advantages of an efficient correctly installed modern heating system has made its selection the most important of all home comforts and improvements. Perfection Home Heating Systems—Perfection Boilers—Perfection Radiators—Perfection Furnaces and heating equipment of every description together with our Free Expert Engineering service has contributed in a large measure to the health and happiness of thousands of progressive home owners.

Perfection Boilers Are Perfect in Design and Construction

The pictures on the opposite page clearly show the splendid construction of Perfection square sectional boilers. The hot water and steam boilers are of the same design with the exception of the steam trimmings which are furnished with the steam boilers. Every possible unit of heat produced by the fuel is absorbed by the water before the burning gases and smoke reach the chimney. Note the extra deep firepot entirely surrounded by water heating passages which insures quick, steady heat.

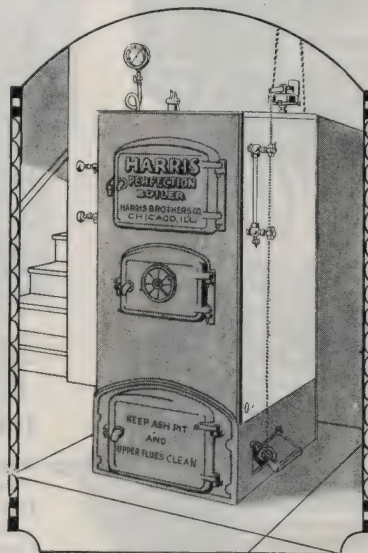
Perfection Heating Systems Are Planned by Experts

Our experts have reduced the old-time complications of heating system planning and installation to a simple, easily completed job. Any handy man can do all the work by following our simple, easily understood instructions. No experience on your part necessary—just a little time and substantial exercise. We furnish all the tools you will need at a low rental charge. Always the same satisfactory results—a perfect efficient heating system insuring cold weather comfort and a big saving on the completed job.

This Guarantee—

Assures Heating Plant Perfection and Cold Weather Comfort

Every Perfection Heating System, when installed according to our plans and instructions, is guaranteed to heat the rooms in which radiators are placed to a temperature of 70 degrees during all conditions of weather without undue forcing of the fire. It is agreed that if for any reason any piece or part of the material proves defective or if the heating system we have furnished is not capable of heating the rooms as stated above, we will hand you back the purchase price and any amount of freight charges paid by you to receive it.—HARRIS BROTHERS' COMPANY.



Equipped for Steam



Prices and Specifications of Perfection Heating Boilers F. O. B. Chicago and Factory in Central Penna.

Prices of steam boilers include a complete set of steam trimmings. Prices of hot water boilers are for boilers without trimmings.

Number	Size of Firepot	Size of Smoke Pipe	Foundation Inches	Tappings at Flow and Return	Height to Water Line (in Steam Boiler)	Direct Water Radiation	Direct Steam Radiation	Shipping Weight in Lbs.	Price on Hot Water Boilers	Price on Steam Boilers	Extra for Asbestos Insulated Steel Jacket
17-B-65	13 1/2 x 15	7	23 x 28	2-2	41'	550	325	675	\$ 61.00	\$ 73.00	.....
17-B-66	13 1/2 x 18	7	23 x 32	2-2	41	675	400	835	69.00	81.00	.....
17-B-67	13 1/2 x 21	7	23 x 36	3-2	41	800	475	915	76.00	88.00	.....
17-B-175	17 x 17	9	26 x 28	2-2 1/2	48	1000	600	941	35.00	100.00	\$10.00
17-B-176	17 x 21	9	26 x 33	2-2 1/2	48	1250	750	1123	100.00	115.00	12.00
17-B-177	17 x 25	9	26 x 38	3-2 1/2	48	1500	900	1305	115.00	130.00	13.00
17-B-178	17 x 30	9	26 x 43	3-2 1/2	48	1750	1050	1487	130.00	145.00	15.00

All Quotations Are Subject to Market Changes

Ratings in accordance with American Society of Heating and Ventilating Engineers Code. We will quote Freight Prepaid prices on request.

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

Perfection Round Sectional Heating Boilers

For Hot Water and Steam Heating Plants

Burn hard coal, soft coal, wood, coke, or any fuel with utmost satisfaction

PERFECTION sectional steam and hot water boilers show a decided improvement in "Round Type Boiler Construction." When designing Perfection Boilers, our engineers worked with one idea—to produce the most efficient and economically operated heating boiler possible. Following the designs of our engineers these boilers are carefully made from the best grade of gray cast iron, smoothly finished; all sections and parts fitting perfectly.

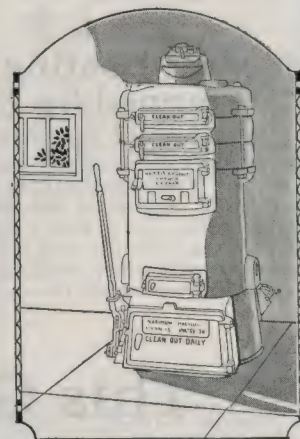
We call your special attention to the construction of the fire pot. The cast iron pins on the side of the fire pot serve a double purpose. They hold the ashes and dead fire from the fire pot and, because they project into the fire, heat quickly and increase the circulation in your heating system.

Although Perfection Boilers embody all latest improvements and are sold under a guarantee of absolute satisfaction, you will find the prices on these boilers exceptionally low.

Important Features

Smooth, perfect fitting cast sections.
Deep fire pot and long fire travel gets the heat.
Greatest possible heating surface.
Rocker type clinker cutting grate bars.
Large size feed doors.
Deep, roomy ashpit.
Ease of operation and cleaning.
Rapid circulation.
Perfect fitting parts.

Shipments from factory in Eastern Michigan or Chicago.



Hot Water Boiler

Most Efficient Round Design

This sectional view of the interior of the boiler shows the deep fire pot entirely surrounded by water, insuring quick circulation. All parts are carefully tested and must fit perfectly before boilers are shipped from our factory.

Prices of Perfection Round Sectional Steam and Hot Water Boilers

Prices of steam boilers include a complete set of steam trimmings. Prices of hot water boilers are for boilers without trimmings.

Number	Diameter of Grate	Height Outlet Steam	Height Outlet Water	Water Line Steam	Size of Tappings	Size of Smoke Pipe	Approximate Weight	Rating Steam	Rating Hot Water	Price Steam	Price Hot Water
17-B-1204	20 in.	53 in.	47 in.	45 in.	3 in.	8 in.	850	625	1050	\$ 87.00	\$ 78.00
17-B-1205	20 in.	58 in.	52 in.	50 in.	3 in.	8 in.	900	675	1125	96.00	85.00
17-B-1206	20 in.	63 in.	57 in.	55 in.	3 in.	8 in.	950	725	1200	105.00	96.00
17-B-1224	22 in.	53 in.	47 in.	45 in.	3 in.	9 in.	950	775	1300	110.00	88.00
17-B-1225	22 in.	58 in.	52 in.	50 in.	3 in.	9 in.	1000	825	1375	118.00	100.00
17-B-1226	22 in.	63 in.	57 in.	55 in.	3 in.	9 in.	1050	875	1450	125.00	112.00
17-B-1254	25 in.	55 in.	48 in.	46 in.	3 in.	9 in.	1200	950	1575	110.00	102.00
17-B-1255	25 in.	60 in.	53 in.	51 in.	3 in.	9 in.	1300	1025	1675	132.00	111.00
17-B-1256	25 in.	65 in.	58 in.	56 in.	3 in.	9 in.	1400	1100	1775	145.00	122.00
17-B-1284	28 in.	58 in.	50 in.	48 in.	4 in.	10 in.	1600	1200	1925	150.00	135.00
17-B-1285	28 in.	63 in.	55 in.	53 in.	4 in.	10 in.	1700	1300	2150	175.00	155.00
17-B-1286	28 in.	68 in.	60 in.	58 in.	4 in.	10 in.	1800	1400	2325	195.00	170.00

Rating in accordance with American Society of Heating and Ventilating Engineers Code
All Quotations Are Subject to Market Changes

Perfection Square Sectional Heating Boilers



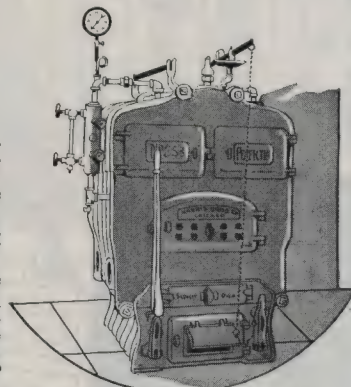
For Large Hot Water and Steam Heating Systems

Perfection boilers are designed particularly for use in large heating work. They are conveniently installed; being sectional, they are built up together—no additional expense for elaborate brickwork. The ease with which Perfection boilers are operated with greatest efficiency—their ability to heat quickly, steadily and powerfully with utmost fuel economy—are advantages that you will appreciate.

Fast, Steady, Powerful Boilers

Made with improved push nipple type for joining the sections. This connection consists of heavy machine turned smooth tapered nipples made of cast iron and held together by heavy tie rods. These connections are so arranged that they are not exposed to the action of the fire and are unaffected by expansion or contraction of the sections; tight, permanent joints at all times. Their capacity can be increased or diminished by adding or taking from the sections.

Note especially the deep combustion chamber and the enormous amount of heating surface pressed to the action of the fire. This feature, combined with the long travel of gases, utilizes all of the effective heating units, giving efficiency with the most economical consumption of fuel. This also insures an immediate response to the action of the fire and quick heat to all parts of your building. All boiler ratings stated below are conservatively made according to accepted standards. Perfection boilers are perfectly adapted for soft coal burning. Perfection boilers are equipped with a large front and rear clean-out door, which gives you free and easy access to every part of the fire surface.



Prices and Specifications of Perfection Boilers F. O. B. Chicago and Factory in Michigan Equipped for Steam

Prices of steam boilers include a complete set of steam trimmings. Prices of hot water boilers are for boilers without trimmings.

Number	Grate Surface	No. of Taps	Size of Smoke Pipe	Height to Outlet	Water Line	Total Length	Weight	Hot Water Rating	Steam Rating	Price Hot Water	Price Steam
17-B-255	22x30	2-4	10	53	45	54	2200	1650	1050	\$185.00	\$215.00
17-B-256	22x37	2-4	10	53	45	61	2500	1900	1300	225.00	252.00
17-B-257	22x44	2-4	10	53	45	68	2800	2600	1600	260.00	290.00
17-B-258	22x51	2-4	10	53	45	75	3150	3250	2000	296.00	325.00
17-B-355	30x30	2-4	13 1/2	59	48	52	3000	3000	1600	280.00	308.00
17-B-356	30x37	2-4	13 1/2	59	48	59	3650	3600	2150	342.00	370.00
17-B-357	30x44	2-4	13 1/2	59	48	66	4200	4200	2600	390.00	420.00
17-B-358	30x51	3-4	13 1/2	59	48	73	4500	4800	2800	432.00	460.00
17-B-359	30x58	3-4	13 1/2	59	48	80	5100	5600	3200	485.00	515.00
17-B-456	38x42	2-5	16	67	55	63	4800	6800	4300	500.00	525.00
17-B-457	38x50	2-5	16	67	55	71	5600	8100	5100	565.00	590.00
17-B-458	38x58	3-5	16	67	55	79	6400	9500	5950	630.00	660.00
17-B-459	38x66	3-5	16	67	55	87	7300	10500	6800	720.00	750.00
17-B-4510	38x74	3-5	16	67	55	95	8000	11400	7500	800.00	825.00

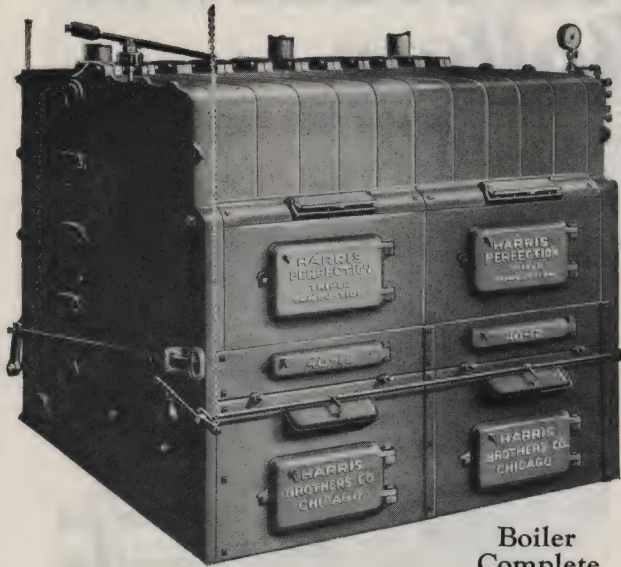
Ratings in Accordance with American Society of Heating and Ventilating Engineers Code.

All Quotations are Subject to Market Changes

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

Harris "Perfection" Triple Combustion Boilers

For Large Steam and Hot Water Heating Systems



Boiler Complete

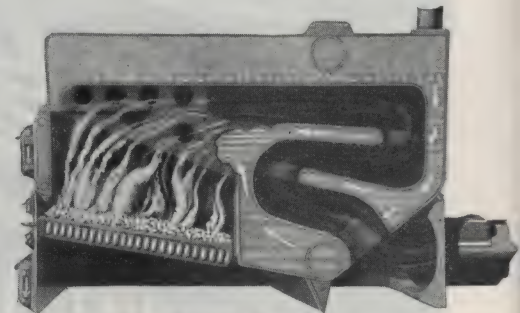
The sectional view of boiler at right shows the large triple combustion chamber. Smoke passes out at the bottom of boiler where water is coolest thereby absorbing the maximum of heat units. Each section is practically a boiler in itself, with complete water circulation, complete fire travel and combustion for each section.

Harris Triple Combustion Boilers are especially designed for heating large buildings. To be economical, the most important requirement of a boiler is complete combustion of the full heat units. In our boiler, this is accomplished by the proper mixing of gases coming from the burning fuel with the right amount of oxygen and allowing the whole to expand. Soft coal when thrown on a fire produces large quantities of gases which if not properly mixed with oxygen or is congested, will pass out the chimney as smoke, wasting the best part of the fuel.

Harris Triple Combustion Boilers are made with the proper ratio of Grate Surface, Fire Surface and Flue Area—this ratio is maintained in all sizes of boilers and makes them as nearly smokeless as is possible.

Damper and check drafts are automatic, controlled by the syphon regulator lever which operates the drafts under high or low pressure.

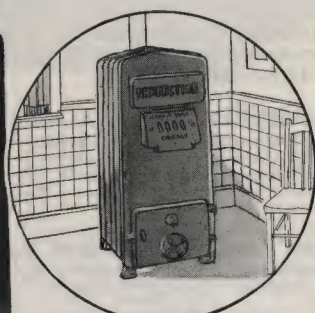
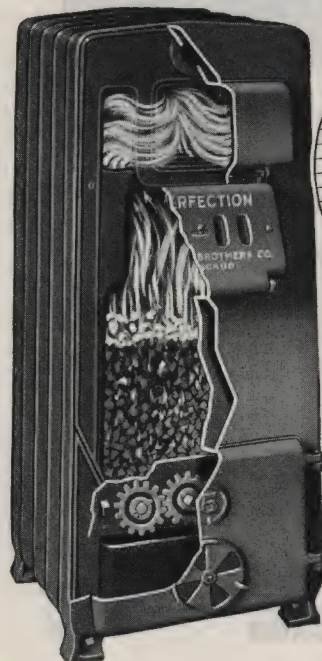
Cast iron being an excellent conductor of heat, the water in the interior sections absorbs the heat from the flames so the iron can only be heated to the temperature of the water. Water circulation is perfect—the hotter the fire the faster the circulation, eliminating the danger of a burnt-out section.



Note the Three Large Combustion Chambers

PRICES AND SPECIFICATIONS OF STEAM

Boiler No.	Comparative Rating	Direct Cast Iron Radiation Loads Sq. Ft.	Steam Per Hr.	B. U. Per Hr.	Water Line	Height Flow Openings	Grate Area Sq. Ft.	Flue Area Through Sections Sq. In.	Flow Openings	No. Fire Doors	Smoke Collars	Price of Steam Boilers	WATER		
													Boiler No.	Direct Cast Iron Radiation Loads Sq. Ft.	Price of Hot Water Boilers
17-B-25	600	300	200	194,000	42"	48"	2.5	42	2-3"	1	1-9"	\$210.00	17-B-25	480	\$185.00
17-B-26	900	450	250	242,500	42"	48"	3.33	56	2-3"	1	1-9"	235.00	17-B-26	720	210.00
17-B-27	1200	600	300	291,000	42"	48"	4.17	70	2-3"	1	1-9"	260.00	17-B-27	960	235.00
17-B-28	1500	750	350	339,500	42"	48"	5.00	84	2-3"	2	1-12"	285.00	17-B-28	1200	260.00
17-B-29	1800	900	400	388,000	42"	48"	5.84	98	3-3"	2	1-12"	310.00	17-B-29	1440	285.00
17-B-36	2000	1000	500	485,000	42"	48"	5.00	80	2-4"	1	1-12"	320.00	17-B-36	1600	295.00
17-B-37	2500	1250	600	582,000	42"	48"	6.25	100	2-4"	1	1-12"	345.00	17-B-37	2160	320.00
17-B-38	3000	1500	700	679,000	42"	48"	7.50	120	2-4"	2	1-12"	390.00	17-B-38	2720	365.00
17-B-39	3500	1750	800	776,000	42"	48"	8.75	140	2-4"	2	1-12"	420.00	17-B-39	3280	400.00
17-B-310	4000	2000	900	873,000	42"	48"	10.00	160	3-4"	2	1-12"	455.00	17-B-310	3840	420.00
17-B-311	4500	2250	1000	970,000	42"	48"	11.25	180	3-4"	2	2-12"	490.00	17-B-311	4400	465.00
17-B-312	5000	2500	1100	1,067,000	42"	48"	12.50	200	3-4"	2	2-12"	525.00	17-B-312	5000	500.00
17-B-48	5000	3100	1225	1,188,250	46"	56"	10.00	180	2-5"	2	1-16"	550.00	17-B-48	5000	510.00
17-B-49	5800	3600	1400	1,358,000	46"	56"	11.66	185	2-5"	2	1-16"	580.00	17-B-49	5800	550.00
17-B-410	6600	4100	1575	1,527,750	46"	56"	13.33	210	2-5"	2	1-16"	650.00	17-B-410	6600	600.00
17-B-411	7400	4600	1750	1,697,500	46"	56"	15.00	235	2-5"	2	1-16"	700.00	17-B-411	7400	650.00
17-B-412	8200	5100	1925	1,867,250	46"	56"	16.66	260	3-5"	2	2-16"	750.00	17-B-412	8200	700.00
17-B-413	9000	5600	2100	2,037,000	46"	56"	18.33	285	3-5"	3	2-16"	800.00	17-B-413	9000	750.00



Efficient, Clean and Attractive

"PERFECTION" Room Level Boiler

For Hot Water or Steam Systems in Buildings Without Basements

Designed for homes, stores, halls, stations, churches and all other buildings without basement. Operates with utmost efficiency on the same level with the room radiation. A compact, substantially built heating boiler, attractive in appearance. As it comes to you completely assembled, there is considerable saving in installation cost. Cut-away view illustrates the roomy fire box which holds a large supply of fuel making frequent attention unnecessary. Also note how the fire is drawn up and forward thru the side flues and back thru center flue, utilizing every possible heat unit of the fuel.

Made of best grey iron, smoothly cast with perfect fitting joints and doors. Complete set of tools including poker, flue brush, scraper and ash pan.

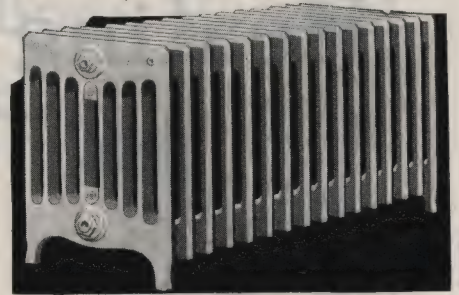
Prices and Specifications of Room Level Boilers

Number	Hot Water Rating Sq. Ft.	Steam Rating Sq. Ft.	Fire Box Dimension	Floor Space	Height of Steam Outlet	Height of Water Outlet	Number and Size Tapping	Smoke Pipe Size	Water Line	Hot Water Price	Steam Price
17-B-4	400	240	13 1/2 x 10 1/4	19 3/4 x 18	42 3/4	45	2-2"	6"	37 1/2"	\$60.00	\$73.00
17-B-5	535	320	13 1/2 x 13 3/4	19 3/4 x 21 1/2	42 3/4	45	2-2"	6"	37 1/2"	67.00	80.00
17-B-6	670	400	13 1/2 x 17 1/4	19 3/4 x 25	42 3/4	45	2-2"	6"	37 1/2"	76.00	89.00
17-B-7	825	500	13 1/2 x 20 3/4	19 3/4 x 28	42 3/4	45	2-2"	6"	37 1/2"	84.00	97.00

Perfection "NEW-ART" Radiation

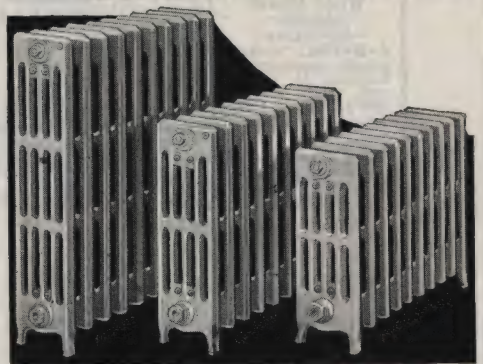
*The Very Latest in Radiators
bring new beauty and
added Heating efficiency*

The Perfection "New-Art" Radiator is the very latest achievement in modern heating, bringing new beauty and new heating efficiency to the home. The open tube design provides unusually free circulation both inside and outside. Full rated surface and yet occupies considerably less floor space than ordinary radiators. Tapped 1½ inch and bushed to smaller sizes when necessary. All sections are 2½ inches center to center.



8 Tube "NEW-ART" Radiators
17-B-820. Eight tube radiation, 20 ins. high, each section contains 4½ sq. ft., per ft. **34c**

4 Tube "NEW-ART" Radiators
17-B-438. Four tube radiation, 38 ins. high, each section contains 4½ sq. ft., per ft. **30c**

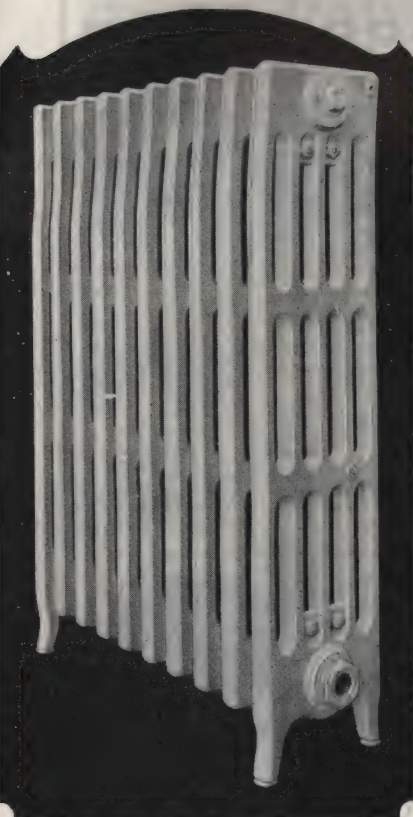


5 Tube "NEW-ART" Radiators
17-B-536. Five tube radiation, 36 ins. high, each section contains 5 sq. ft., per ft. **30c**

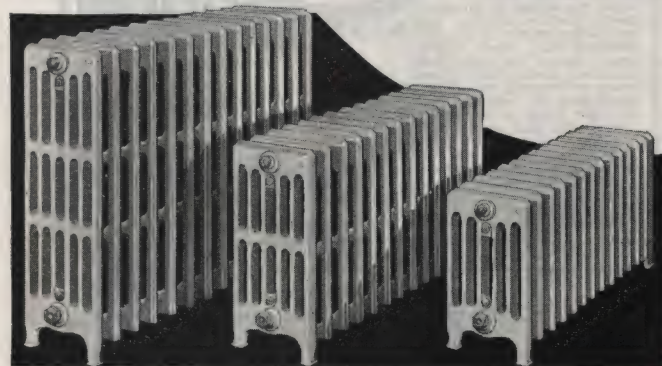
SPECIAL!

Pearl Gray Enamel Finish

At a very nominal cost, we furnish Perfection "New-Art" radiators in the new pearl gray enamel finish. We recommend this finish because it is more practical and economical to paint radiators of this design before delivery. Tests have proven that enameled radiators have 15 to 20% more heating efficiency than radiators painted with gold or aluminum bronze.

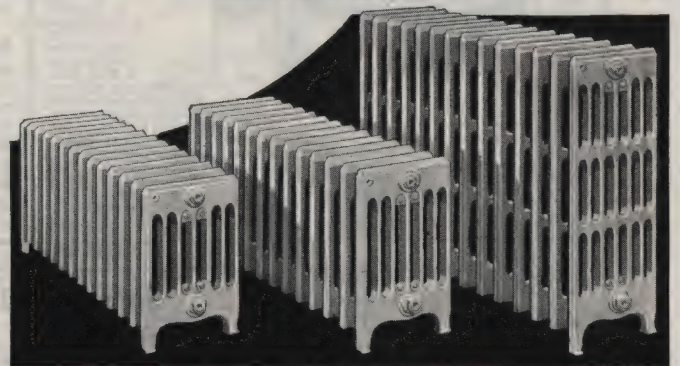


5 Tube "NEW-ART" Radiation



6 Tube "NEW-ART" Radiators

- 17-B-638.** Six tube radiation, 38 ins. high, each section containing 6 square feet, per ft. **30c**
- 17-B-626.** Six tube radiation, 26 ins. high, each section containing 4 square feet, per ft. **32c**
- 17-B-620.** Six tube radiation, 20 ins. high, each section containing 3 square feet, per ft. **34c**



7 Tube "NEW-ART" Radiators

- 17-B-736.** Seven tube radiation, 36 ins. high, each section containing 7 square feet, per ft. **30c**
- 17-B-723.** Seven tube radiation, 23 ins. high, each section containing 4½ square feet, per ft. **33c**
- 17-B-720.** Seven tube radiation, 20 ins. high, each section containing 3¾ square feet, per ft. **34c**

Perfection "STANDARD" Radiation

3 Column Pattern Shown

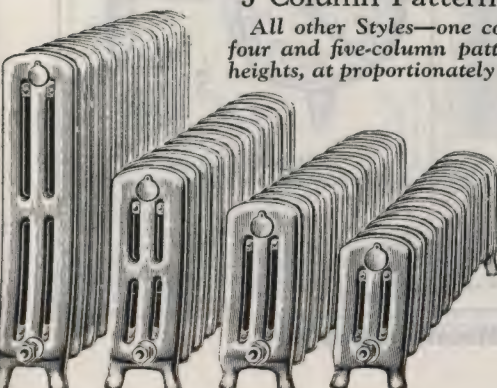
All other Styles—one column, two, four and five-column patterns in all heights, at proportionately low prices.

Perfection standard radiators made from best gray iron. Each section smoothly cast in one piece. Sections are tested separately and tested together when the complete radiator is assembled before delivery. Smooth surfaces are easily finished and kept clean.

Tapped 2 inch and bushed to smaller sizes when necessary

3 Column "STANDARD" Radiation

- Three column radiation, 38 inches high, each section containing 5 square feet, 2½ inches long, per foot. **30c**
- Two column radiation, 38 inches high, each section containing 4 square feet, 2½ inches long, per foot. **30c**
- Three column radiation, 22 inches high, each section containing 3 square feet, 2½ inches long, per foot. **33c**
- Five column radiation, 22 inches high, each section containing 6 square feet, 3 inches long, per foot. **33c**
- Four column radiation, 22 inches high, each section containing 4 square feet, 3 inches long, per foot. **33c**
- Four column radiation, 26 inches high, each section containing 5 square feet, 3 inches long, per foot. **32c**



Heating Plant Accessories

Radiator Valves and Union Elbow



Floor Flange
5-B-202. Floor Flange.

Size, Inches	Price, Each
1/2 inch.....	9c
3/4 inch.....	11c
1 inch.....	13c
1 1/4 inch.....	15c
1 1/2 inch.....	17c
2 inch.....	20c



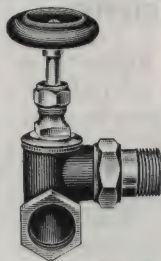
Wood Wheel Radiator Air-Valve
5-B-183. Nickel plated Compression Radiator Air Valves with wood wheels. Size 1/2 inch.....

Size, Inches	Price, Each
1/2 inch.....	15c



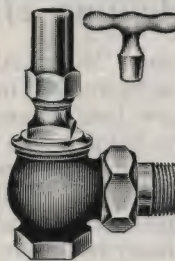
5-B-178. Jenkins' Disc Angle Radiator Valve with Union, nickel plated all over.

Size, Inches	Price, Each
1/2 inch.....	\$1.35
1 inch.....	1.60
1 1/4 inch.....	2.00
1 1/2 inch.....	2.60
2 inch.....	4.25



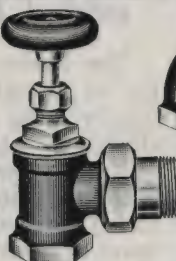
Specify Right or Left Hand Corner when ordering.
5-B-174. Jenkins' Disc corner radiator valves with union.

Size, Inches	Price, Each
1/2 inch.....	\$1.90
1 inch.....	2.25
1 1/4 inch.....	3.00
1 1/2 inch.....	3.80
2 inch.....	6.15



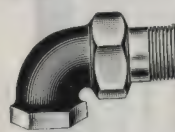
5-B-177. Lock Shield Jenkins' Disc with union, nickel plated all over.

Size, Inches	Price, Each
1/2 inch.....	\$1.70
1 inch.....	2.10
1 1/4 inch.....	2.85
1 1/2 inch.....	3.65
2 inch.....	6.00



5-B-179. Quick Opening Hot Water Radiator Valve with Union, nickel plated all over.

Size, Inches	Price, Each
1/2 in.....	\$1.05
1 inch.....	1.35
1 1/4 inch.....	1.60
1 1/2 inch.....	2.00
2 inch.....	3.25



5-B-180. Hot Water Union Elbows, nickel plated all over.

Size, Inches	Price, Each
1 in.....	\$0.60
1 1/4 in.....	.95
1 1/2 in.....	1.15
2 in.....	2.00



Ceiling Flange
5-B-203. Ceiling Flange.

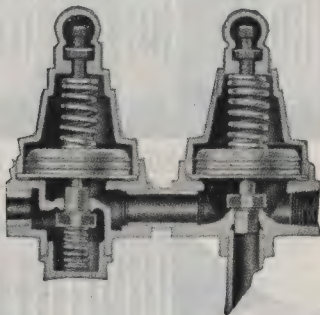
Size, Inches	Price, Each
1/2 inch.....	9c
3/4 inch.....	11c
1 inch.....	13c
1 1/4 inch.....	15c
1 1/2 inch.....	17c
2 inch.....	20c



Loose Key Radiator Air-Valve
5-B-181. Nickel plated loose key compression radiator air valves. Size, 1/2 inch. Price.....

Size, Inches	Price, Each
1/2 inch.....	15c

Harris Pressure Governor for Hot Water Heating Systems



\$15

Eliminates the Expansion Tank

A Harris Pressure Governor increases the efficiency of Hot Water Heating systems and displaces the antiquated expansion tank.

Simply constructed and easy to install. Guaranteed to speed up circulation and saves fuel. The automatic feature is instantly adjusted for any required pressure by a set screw on top of each valve unit. The governor is equipped with a regulating Valve and Filter. This device regulates the water capacity of the system and comes adjusted to operate under all normal conditions, but is easily changed if necessary.

Constructed of best bronze—rust and scale proof. Fully guaranteed.
5-B-7100 Harris Pressure Governor, complete.....\$15.00



Automatic Air Valve for Steam

5-B-184.

Nickel plated automatic radiator air valves for steam. Size of connection pipe, thread, 1/2 inch.

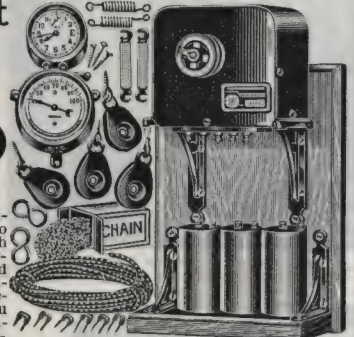
Each...40c

Thermostat Heat Regulator

Here is one of the most wonderful devices ever made to do away with heating plant drudgery. An automatic janitor, tireless, exact, never too lazy to get up. Operates with the utmost simplicity. Thermostat and clock are mounted in your living room, or bedroom, the motor in the basement. Before retiring, you set the thermostat for the temperature you wish maintained during the night, and the alarm clock at about two hours before you intend to arise. That's all. At the proper time, the alarm goes off, pushing the thermostat up to 70 degrees, and when you get up, your home is nice and warm. Full instructions for installation furnished with each outfit.

\$40

Complete



Outfit includes thermostat, alarm clock, high grade motor with rulle 25 feet insulated electric cable, 2 insulated wires for connecting motor to batteries, 2 dry cell connectors, 1 dry cell platform, 4 pulleys for chain, 1 chain for operating dampers, 6 insulated cable staples and thermostat screws. (Dry cells not included.) Shipping weight, complete, about 30 pounds.

5-B-6500. Special price, complete, without dry cells.....\$40.00

Water Gauge Set

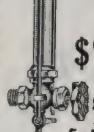


\$1.75

5-B-9501. Complete water gauge set. Made with brass body. Iron wheels and two guards to protect glass tube. Fitted with drain cock at bottom. Polished brass finish. 1/2 inch thread Glass, size 3/4x12 inch.

Price, complete.....\$1.75

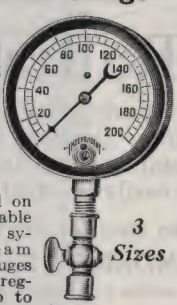
Steam Gauge



\$2.10

5-B-9511 Japanned Iron Case brass ring, complete with cock. They should not be used on traction or portable rigs. Always use a syphon with all steam gauges. These gauges are guaranteed to register accurately up to 200 pounds. Each gauge is packed in a wooden box.

Size dials, inches..... 3 1/2 4 1/2 5
Price, each..... \$2.10 \$2.25 \$2.65
Low pressure steam gauge registering up to 30 pounds, 3 1/2 inch Dial.....\$2.10

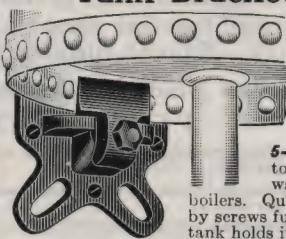


Galvanized Steel Expansion Tanks

These are used in connection with hot water heating plants. Water gauge not included at prices quoted.

	Cap. Gals.	Size Ins.	Sq. ft. of Radiation	Price Each
5-B-190	8	10x20	300 to 400.	\$ 8.00
5-B-191	10	12x20	400 to 500.	8.20
5-B-193	15	12x30	500 to 600.	9.20
5-B-195	20	14x30	600 to 700.	12.80
5-B-197	26	16x30	700 to 900.	14.35
5-B-198	32	16x36	1000 to 1300.	15.35
5-B-199	42	16x48	1300 & up....	16.85
5-B-201	Expansion tank gauge set			1.05

Improved Expansion Tank Bracket

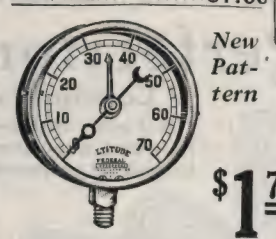


5-B-280. An ingenious bracket to hold expansion tanks in hot water heating systems or range boilers. Quickly attached to wall studding by screws furnished. Grip clamp on flange tank holds it securely in place.
Price, each.....\$1.35

Hot Water Thermometers

Used in connection with hot water heating plants, registering up to 220 degrees. Guaranteed accurate. Each thermometer is carefully packed in a separate wooden box.

	Price, each.....
5-B-187. Straight Thermometers as shown in illustration.	\$.90
5-B-188. Angle Thermometers for use on risers or circulating pipes.	\$1.00



New Patent

\$1.75

Altitude Gauges

5-B-189. Altitude Gauges are used for indicating the height of water in a hot water heating system. The red hand is movable. When you determine the height of water to just fill the system correctly, set the red hand at that point and then the indicating hand should be right on top of it. Each.....\$1.75

Brass Valves—Cocks—Iron Body Valves

STANDARD BRASS STEAM COCKS



4-B-4919.

Size	Each
1/4 in...	\$0.39
3/8 in...	.44
1/2 in...	.55
3/4 in...	.65
1 in...	1.15
1 1/4 in...	1.82
1 1/2 in...	2.29
2 in...	3.25

STANDARD BRASS GAS SERVICE COCKS



5-B-4921.

Size	Each
3/8 in...	\$0.44
1/2 in...	.50
3/4 in...	.60
1 in...	.94
1 1/4 in...	1.49
1 1/2 in...	2.04
2 in...	3.60

COMPRESSION GAUGE COCKS

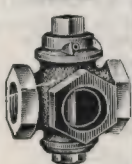


5-B-4915.

With wood handles, brass finished, with stuffing box.

Size	Each
1/4 in...	\$0.77
3/8 in...	.83
1/2 in...	1.02

THREE-WAY BRASS STEAM COCKS



5-B-4917.

Size	Each
1/4 in...	\$2.10
3/8 in...	2.77
1/2 in...	3.46
3/4 in...	6.50
1 in...	6.60
1 1/2 in...	9.68

Prices of All Material on This Page Are Subject to Market Changes

Full standard weights, suitable for 100-pound steam pressure. For use either steam or water purposes. Made of the best grade metals of proper mixture to give excellent satisfaction. The valves are carefully machined and have full openings. We guarantee them fully in every respect and we will replace any valve without charge that does not prove entirely satisfactory.

STANDARD BRASS GLOBE VALVES



5-B-4901.

Size	Each
1/4 in...	\$0.33
3/8 in...	.35
1/2 in...	.50
3/4 in...	.66
1 in...	.77
1 1/4 in...	1.32
1 1/2 in...	1.82
2 in...	2.80

STANDARD GATE VALVES



5-B-4909.

Size	Each
1/4 in...	\$0.83
3/8 in...	.85
1/2 in...	.94
3/4 in...	1.15
1 in...	1.62
1 1/4 in...	2.15
1 1/2 in...	2.86
2 in...	4.18

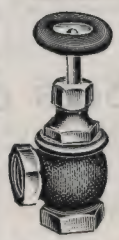
JENKINS' DISC BRASS GLOBE VALVES



5-B-4905.

Size	Each
1/4 in...	\$0.53
3/8 in...	.60
1/2 in...	.83
3/4 in...	1.15
1 in...	1.48
1 1/4 in...	2.09
1 1/2 in...	2.86
2 in...	4.51

STANDARD BRASS ANGLE VALVES



5-B-4903.

Size	Each
1/4 in...	\$0.33
3/8 in...	.35
1/2 in...	.50
3/4 in...	.66
1 in...	.77
1 1/4 in...	1.32
1 1/2 in...	1.82
2 in...	2.80

JENKINS' DISC BRASS ANGLE VALVES



5-B-4907.

Size	Each
1/4 in...	\$0.53
3/8 in...	.60
1/2 in...	.83
3/4 in...	1.15
1 in...	1.50
1 1/4 in...	2.09
1 1/2 in...	2.86
2 in...	4.50

STANDARD HORIZONTAL CHECK VALVES



5-B-4923.

Size	Each
1/4 in...	\$0.33
3/8 in...	.35
1/2 in...	.44
3/4 in...	.56
1 in...	.79
1 1/4 in...	1.10
1 1/2 in...	1.54
2 in...	2.36

JENKINS' DISC BRASS CHECK VALVES



5-B-4925.

Size	Each
1/4 in...	\$0.53
3/8 in...	.55
1/2 in...	.60
3/4 in...	.99
1 in...	1.35
1 1/4 in...	1.87
1 1/2 in...	2.50
2 in...	3.50

STANDARD SWING CHECK VALVES



5-B-4927.

Size	Each
1/4 in...	\$1.00
3/8 in...	1.10
1/2 in...	1.38
3/4 in...	1.81
1 in...	2.35
1 1/2 in...	3.30

STANDARD VERTICAL CHECK VALVES



5-B-4929.

Size	Each
1/4 in...	\$0.59
3/8 in...	.64
1/2 in...	.83
3/4 in...	1.05
1 in...	1.48
1 1/4 in...	5.08
1 1/2 in...	2.89
2 in...	4.37



Bibb Air Cock

5-B-4913.

Size	Each
1/4 in...	\$0.40
3/8 in...	.50
1/2 in...	.55
3/4 in...	.63



Pop Safety Valves

With phosphor bronze seats. For boilers of all kinds. Be sure to state pressure the valve is to be set at.

Size, Horse In. Power.	Each up to 15 lb. Pressure	Each from 15-100 lb. Pressure
1/4 in...	\$2.91	\$5.10
3/8 in...	3.40	6.32
1/2 in...	3.85	7.60
3/4 in...	4.12	9.51
1 in...	6.55	14.57

Lever Safety Valves

5-B-4933.

Size	Each
1/2 in...	\$2.03
3/4 in...	2.42
1 in...	3.08
1 1/4 in...	4.50
1 1/2 in...	5.35
2 in...	7.45



Brass Air Cocks

5-B-4911.

Size	Each
1/4 in...	\$0.24
3/8 in...	.33
1/2 in...	.35
3/4 in...	.37



Check Valves IRON BODY HORIZONTAL CHECK VALVES

Size	Each
2 1/2 in...	\$6.00
3 in...	8.20
3 1/2 in...	11.30
4 in...	13.00
5 in...	20.30
6 in...	27.50

Iron Body Valves

Standard weight, well proportioned; suitable for working pressure up to 100 lbs. For steam or water. Fully guaranteed.

Check Valves IRON BODY HORIZONTAL CHECK VALVES

Size	Each
3 in...	\$10.50
4 in...	16.50
5 in...	\$24.00
6 in...	32.25



IRON BODY ANGLE VALVES

21-B-104. Brass mounted with yoke flange ends.

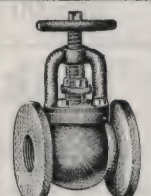
Size	Each
2 1/2 in...	\$9.60
3 in...	13.50
3 1/2 in...	16.50
4 in...	20.25
5 in...	27.90
6 in...	37.80



IRON BODY GLOBE VALVES AND ANGLES

21-B-101. Brass mounted with yoke screw ends. 21-B-105. Angle Valve.

Size	Each
2 1/2 in...	\$8.10
3 in...	11.25
3 1/2 in...	13.50
4 in...	17.10
5 in...	24.30
6 in...	33.75



IRON BODY GLOBE VALVES

21-B-103. Brass mounted, with yoke, flange ends.

Size	Each
2 1/2 in...	\$9.60
3 in...	13.50
3 1/2 in...	16.50
4 in...	20.25
5 in...	27.90
6 in...	37.80



IRON BODY GLOBE VALVES

21-B-97. Brass mounted, plain screw ends.

Size	Each
2 in...	\$4.50
2 1/2 in...	6.50
3 in...	9.00



IRON BODY ANGLE VALVES

21-B-99. Brass mounted, plain screw ends.

Size	Each
2 in...	\$4.50
2 1/2 in...	6.50
3 in...	9.00



STRAIGHT WAY GATE VALVES

21-B-109. Iron body, brass trimmings, stationary stem, screw ends.

Size	Each
2 1/2 in...	\$9.55
3 in...	11.60
3 1/2 in...	14.10
4 in...	15.90
5 in...	23.80
6 in...	27.45



STRAIGHT WAY GATE VALVES

21-B-110. Iron body, brass trimmings, stationary stem, flange ends.

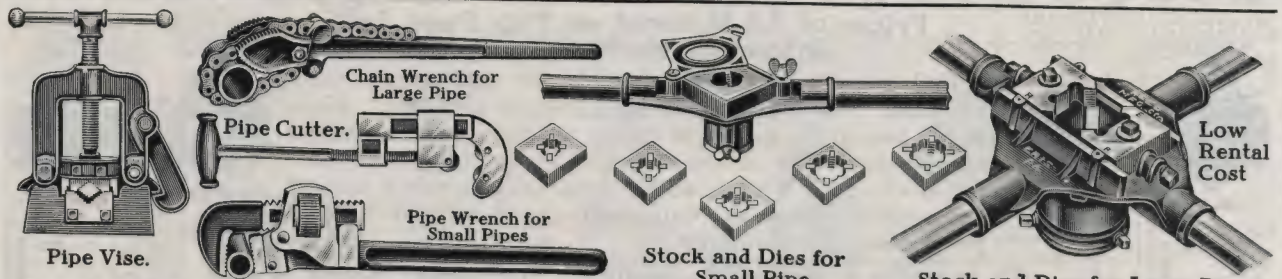
Size	Each
2 1/2 in...	\$11.00
3 in...	13.50
3 1/2 in...	16.00
4 in...	18.90
5 in...	25.75
6 in...	29.95

LET US KNOW YOUR NEEDS

Free Engineering Service
Our competent engineers are ready to serve you. If you will write us regarding your proposed plant changes or improvements we will estimate your requirements and quote you lowest marked prices.

WRITE FOR PRICES NOW

Tools to Install Heating Plant



The tool sets below have been carefully assembled to give our customers a complete equipment of best tools for the installation of Heating Systems. After you have decided upon the set you will need to complete your work, you will find by comparison that the low prices we are asking offer a substantial saving. The tools included in these outfits are of real high quality

Stock and Dies for Small Pipe.

Stock and Dies for Large Pipe.

and with ordinary care will give you long service. If you wish to do so, we will allow you the privilege of returning tool sets described below after you have finished installing your heating plant and will refund you for all tools returned in good condition, 90 per cent of the purchase price. This nominal charge of 10 per cent for the use of the tools barely covers our expense in handling.

Complete Sets of Heating Plant Tools

4-B-100. The following tools are all of the finest quality and this set is recommended for use in installing heating plants where pipe not larger than 2 inches in diameter is used. The set consists of:

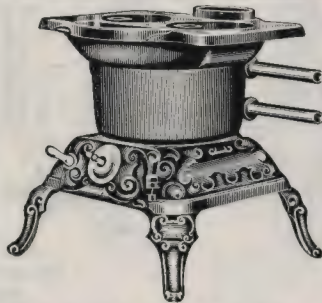
- 1 Pipe Vise for up to 2½ inch pipe.
- 1 Stock and Dies for ¼ to 1 inch pipe.
- 1 Stock and Dies for 1¼, 1½ and 2 inch pipe.
- 1 14 inch Pipe Wrench, takes ½ to 1½ inch pipe.
- 1 18 inch Pipe Wrench, takes ½ to 2 inch pipe.
- 1 Pipe Cutter, cuts 1 inch to 2 inch pipe.
- 1 Pipe Cutter, cuts ½ to 1 inch pipe.

\$23.50

4-B-101. Tools all of finest quality. This set is recommended for installing heating plants where pipe up to 3 inches in diameter is used. The set consists of:

- 1 Pipe Vise, takes ½ inch to 3 inch pipe.
- 1 Stock and Dies, takes ¼ inch to 1 inch pipe.
- 1 Stock and Dies, takes 1¼, 1½ and 2 inch pipe.
- 1 Stock and Adjustable Dies for 2½ and 3 inch pipe.
- 1 14 inch Pipe Wrench for ½ to 1½ inch pipe.
- 1 18 inch Pipe Wrench for ½ to 2 inch pipe.
- 1 27 inch Chain Wrench for 1¼ to 3 inch pipe.
- 1 Pipe Cutter, cuts ¼ inch to 1 inch pipe.
- 1 Pipe Cutter, cuts 1 inch to 2 inch pipe.
- 1 Pipe Cutter, cuts 2 inch to 3 inch pipe.

\$60.00



2-Hole Laundry Stove
Made With Hollow Water Heating Firepot

17-B-350. Strongly built of smooth gray iron castings; hollow water heating fire pot. Inside diameter of fire pot at top, 10¼ inches. Diameter of grate, 8 inches. Size of top, 14x20 inches. 1 inch pipe connection. 6 inch pipe collar.

\$11.75

17-B-800. Extra heavy 11¼ inch diameter fire pot at top. 9½ inch grate. Size of top, 21x23.

\$15.25

Garbage Burner and Tank Heater

\$65

Here is a combination tank heater and garbage burner that reduces the fuel cost to the minimum. At the upper part of the heater is a large compartment with large feed door where the fresh garbage is thrown in and left until it is dried by the heat, then thrown into fire pot by means of swinging bottom. Absolutely odorless. Ideal for homes, apartment houses, hotels, etc. Burns any other fuel as well. Made entirely of heavy cast iron, so constructed as to provide perfect expansion and contraction. Diameter of grate, 14 inches. Inlet and outlet 1½ inches. Capacity 250 gallons.

17-B-1200. Price **\$65.00**



4-Hole Laundry Stove
Made With Hollow Water Heating Firepot

17-B-450. Four hollow water heating laundry stove. Four 8 inch lids. Inside diameter of fire pot at top, 10¼ inches. Diameter of grate, 8 inches. Size of top, 20x22. 100 gallon capacity. 1 inch connection.

\$13.25

17-B-4500. Extra heavy four hole water heating laundry stove. Inside diameter of fire pot at top, 11¼ inches. 9½ inch grate. Size of top, 22x24.

\$17.75

Unusual Values in High Grade Tank Heaters

For Homes and Garages

\$28 and up

Just the tank heater to supply plenty of hot water to range boilers at very little cost. Burns any kind of fuel—coke, hard or soft coal, wood, etc. The 500 gallon capacity heater is ideal as a garage heater. The two larger sizes can be used for small hot water heating plants. With this tank heater you can have a practically unlimited supply of hot water. Quick heating. Easy to fire. Consumes but little fuel. Water in barrel is all around fire. Strongly made of best quality heavy iron castings. Large fire doors.

No.	Diam. of Grate	Diam. of Tappings	Capacity, Gals.	Price
17-B-130	12 in.	1½ in.	200	\$28.00
17-B-140	14 in.	1½ in.	300	45.00
17-B-170	17 in.	2 in.	500	65.00

Large Size Suitable as Garage Heater

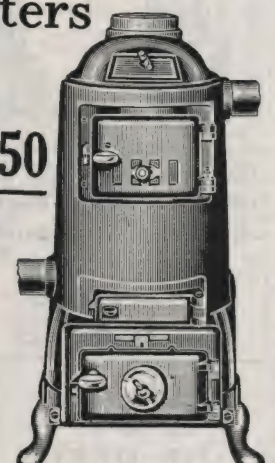
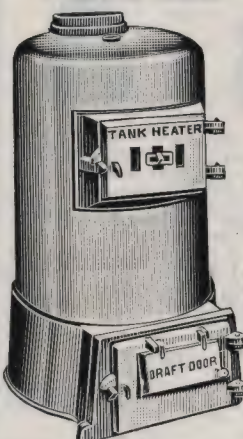
Cast Iron Tank Heater

17-B-100. Cast Iron Heater.

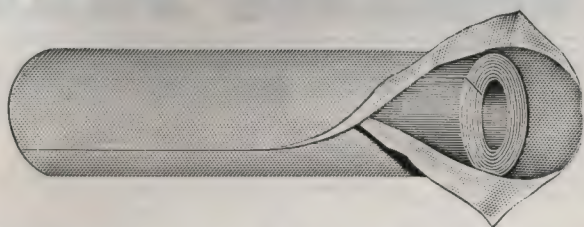
An excellent heater where a steady flow of hot water is required. Water in barrel is all around fire which insures quick heating of the water and practically an unlimited supply. Inlet for water is on left side at bottom of water barrel. Outlet is on right side top of water barrel. Heater is substantially constructed and strongly reinforced. Large fire door at front insures convenient feeding. Nicked trimmings. Made of the very best gray iron castings. Diameter of grate, 10 inches. Diameter of fire pot at bottom, 14½ inches. Height of water barrel, 18 inches. Height from floor to top of smoke dome, 36 inches. Tank capacity, 200 gallons. Size of smoke pipe, 5 inches. Size of inlet and outlet, 1½ inches. Weight, 235 pounds.

\$31.50

Price **\$31.50**



Pipe Covering and Heating Accessories



Moulded Asbestos Pipe Covering

21-B-204.—This form of covering is offered as a durable and effective non-conducting covering. It is absolutely fireproof and is made in sections in the various sizes, 3 feet long, which are finished with canvas jackets, and provided with sufficient metal bands to securely fasten it to the pipe. Thickness of covering, 1 inch.

For Pipe, Size	Price, per 3 ft. Length	For Pipe, Size	Price, per 3 ft. Length
1/2	\$0.33	2	\$0.55
3/4	.37	2 1/2	.60
1	.41	3	.65
1 1/4	.45	3 1/2	.72
1 1/2	.50	4	.90

Joint Cement



5-B-9535.

For use in steam, hot water or other pipe connections. Makes joints air tight; does not harden; easy to put in pipe connections without breaking the fitting.

2-lb. can 35c

A Chemical Compound



5-B-211.

Permanently repairs water leaks in steam boilers, steam and hot water heating systems, radiators, etc. Boilers of 600 cubic feet heating capacity require one can of compound. Operation requires about 8 hours time to obtain best results. Weight, per can, 1 1/2 pounds. Per can, 95c

Red Lead



This is the regular plumbers' red lead for making joints water, gas or steam tight.

5-B-7850.

Comes in one-pound cans. Price 18c Per can.

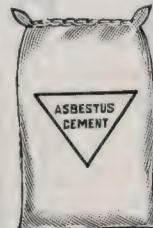
Wool Felt Pipe Covering

21-B-205. Especially recommended for hot water heating plants. This covering is made of soft corrugated wool felt with interlining of two layers of asbestos felt, and finished with a canvas jacket.

For Pipe, Size	Price, per 3 ft. Length	For Pipe, Size	Price, per 3 ft. Length
1/2	\$0.25	2 1/2	\$0.44
3/4	.29	3	.49
1 1/4	.33	3 1/2	.55
1 1/2	.37	4	.60
2	.40		

Asbestos Cement

100 lb. Bag \$1.80



21-B-207. A dry cement for covering heating boilers, iron or any other surface to prevent loss of asbestos fibre and other materials. Increases efficiency of boiler.

As asbestos Moulded covering for fittings are only made in the place. Figure 1 1/2 lbs. of cement to a fitting up to 2 inches.

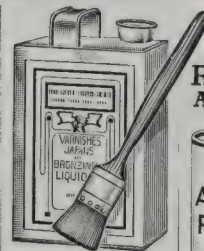
Price, per 100-lb. bag, \$1.80

Radiator Bronze



5-B-7590.

Gold Bronze Powders. 1/2 lb. \$0.55 1 lb. 1.00



Radiator Aluminum



5-B-7595.

Aluminum Bronze Powder. 1/2 lb. \$0.65 1 lb. 1.20

Domestic Water Heater



17-B-984. An efficient water heater especially made to be used in any standard furnace. Made of finest smooth gray cast iron. Convenient clean-out plug enables you to remove sediment. Two openings for 1 inch pipe. Easily installed by removing parts covering these openings. Efficiently used in connection with any 40 gallon range boiler. Price, each, \$2.25



Pipe Hangers

Can be cut to all desired lengths by disconnecting two lower screws. The most practical pipe hanger on the market. Easy to adjust.

21-B-185. Adjustable length, 2 to 10 ins.

Pipe Inches	Each	Pipe Inches	Each
1	\$0.08	2	\$0.11
1 1/4	.09	2 1/2	.12
1 1/2	.10	3	.15

Galvanized Smoke Pipe



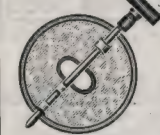
Per Foot 23c

17-B-7530.

Our regular galvanized smoke pipe furnished with all our Heating Plants, made of 26-gauge heavy galvanized sheet iron, comes in 2 foot lengths. This stack is shipped knocked down in the flat sheets all flanged and seamed. Can be assembled in a few minutes. Prices as follows:

Inch.	5	6	7	8	9	10	12
Per foot.	23c	25c	28c	30c	31c	34c	45c

Dampers



17-B-7535.	
6 inch.	\$0.45
7 inch.	.47
8 inch.	.63
9 inch.	.78
10 inch.	.95
12 inch.	1.10

Smoke Pipe Elbows

17-B-7540.

26-gauge galvanized

Elbows to fit above

smoke pipe. Prices as follows:

Inch.	5	6	7	8	9	10	12
Each.	34c	38c	42c	49c	56c	70c	98c

Perforated Strap Iron



21-B-1186. For large pipe or long drops we recommend our 1/2 perforated strap iron. 5 ft. and 10 ft. lengths. Price, per foot \$0.05 1/2

Iron Pipe Water Heating Coil



17-B-1204. Hot water Heating Coil for use with Harris Square Perfection Boilers. Completely assembled, ready for installation. Made from 1 1/4 inch pipe and fittings. Outside connection 3/4 inch. Suitable for heating 30 or 40 Galvanized Range Boilers. Weight, about 12 pounds. Price, each, \$2.00

Flue Cleanout Brush



17-B-1209. Flue brush for cleaning flues. Made of spring steel with handle threaded for 1/4 inch pipe. Extension handle can easily be made by coupling to 1/4 inch pipe. Shipping wt., 1 lb. Price, \$1.10

Perfection Warm Air



For Warm Air Pipe Heating Systems

HARRIS Warm Air Heating Systems offer many advantages to the careful buyer. They are made of all new high grade material in a large up-to-date, well equipped foundry. Every piece and part is carefully constructed by skilled workmen, carefully assembled and inspected before shipment. All furnaces are entirely set up when completed, the holes are drilled to match, the doors tight, and all parts must fit perfectly. Read the following specifications; you will then clearly see why you should buy a Harris Warm Air Heating System, with its many advantages, and no other:

Harris Furnaces are furnished with cast iron reversible radiators. The castings are extra heavy. The upper and lower sections are securely bolted together with asbestos between the joints, making an absolutely air tight construction. The fire and gases must pass completely around the circumference of the radiator, thus giving off all of the heat before passing up the chimney. The extra large clean-out openings permit thorough and easy cleaning of radiators without removing smoke pipe. All the radiators are constructed so that any fuel can be burnt without clogging. The smoke collars and clean-out collars are cast and extend through the casing.

Sectional view showing the deep, heavily corrugated firepot, large radiator and roomy ashpit

The Ash Pit is large and roomy, allowing for an accumulation of ashes without danger of burning the grate bars. The grate is extra heavily constructed, bars are triangular type and clinkers can be quickly removed. Any of the bars can be removed or replaced in a minute's time—no tools necessary.

Ash Pit or Draft Door is of butterfly type and can be regulated by means of damper chains from the living rooms. All furnaces are tapped for hot water coil.

The Casing Construction on Harris Furnaces is such as to conserve the greatest amount of heat possible. The outer casing is bright galvanized steel—26 gauge, lined with asbestos and corrugated tin which is riveted to the upper casing and which gives proper insulation. This method of construction forces all of the heat through the supply pipes to the living rooms and thus effects a large saving in fuel.

The Feed Section is extra heavy cast iron—designed to follow the cone shape of the fire. Built with an unusual amount of heating surface which guarantees maximum combustion.

The Fire Pot is in two parts, the sections being set together with deep grooves, thus allowing for expansion and contraction, which reduces the possibility of cracking to the minimum. We supply with each furnace sufficient cement to make all joints gas tight. The heavy corrugation of the fire pot gives greatest heating surface possible. The heating capacity of our furnaces is greatly increased by the extra depth of the fire pot.

Accessories With each furnace we include, without extra charge, check draft, asbestos cement, water pan, poker, shaker handle, draft and regulating dial plate, chain and pulleys.

Prices and Specifications of Perfection Furnaces on Opposite Page

Furnaces



The Principle and Advantages of the Warm Air Pipe System

QUICK heat with an abundance of clean, moistened, healthful warm air circulating through all the rooms in your home, are some of the many desirable features which have made the Warm Air Heating System so popular. Aside from these advantages, an efficient, highly satisfactory Warm Air Heating System can be installed in less time, with less work and for considerably less money than a steam or hot water plant.

Warm Air Heating Systems are used everywhere for heating moderate size homes, stores, churches and schools. Where the furnace can be centrally located, a warm air plant always gives excellent results when installed according to the simple plans and easily understood instructions furnished free by our engineers.

In climates where there are quick changes in temperature only a low fire need be kept up on the mild days. Then, when there is a sudden drop in temperature, by simply opening the drafts, you can get almost instantaneous heat in all your rooms. The fresh air coming into the heating chamber through the cold air intakes and return register passes over the water pan, where it is cleaned and moistened. It is then heated in the upper part of the furnace, rising quickly through the pipes to the rooms above. As the air cools, it is led back to the furnace through the return air register, remoistened, recleaned, reheated and passed on to the rooms again. This insures even steady heat and good ventilation.



Our Expert Engineers Are Waiting to Help You

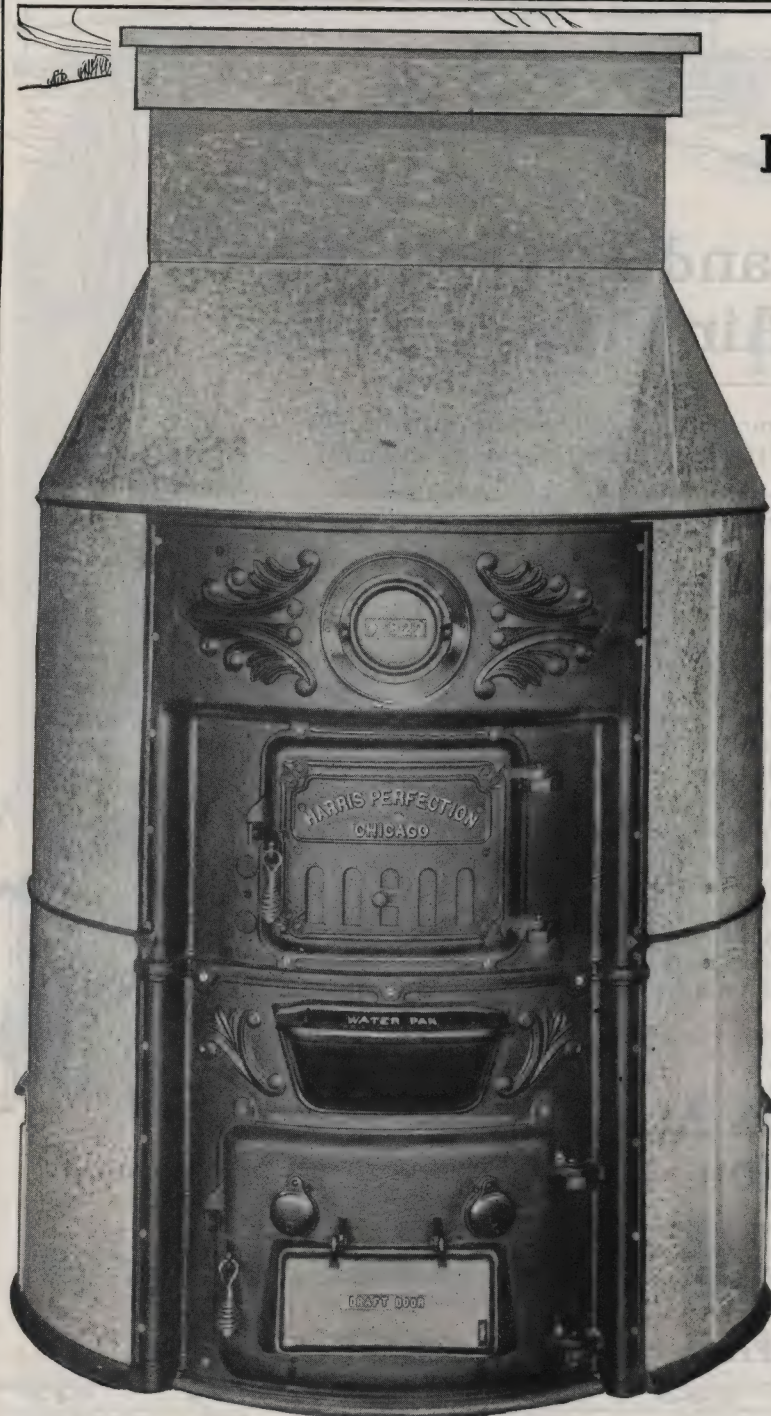
Simply send us a rough sketch of the layout of rooms in your house, indicating the size of all rooms. Our estimate will relieve you of all worry and responsibility. You can rest assured the plant we figure for you, including all the material for its installation, will heat your home satisfactorily, in all weather, with a substantial saving in fuel.

Specifications and Prices of Perfection Pipe Furnaces

Furnace Number	17-B-20	17-B-22	17-B-24	17-B-26	17-B-28	17-B-30
Heating Capacity, in cu. ft.	10,000	15,000	20,000	30,000	40,000	50,000
Diam. Fire Pot, in inches	20	22	24	26	28	30
Diam. Casing, in inches	42	46	50	54	58	62
Height Casing, in inches	45	47	49	53	56	59
Height of Radiator, in inches	15	15	15	15	15	15
Size of Feed Door, in inches	11x13	11x13	11x13	11x13	11x13	11x13
Diameter Smoke Pipe, in inches	8	8	8	9	10	10
Shipping Weight, in lbs.	700	900	1,100	1,300	1,600	1,800
Price with Cast Iron Radiator	\$60.00	\$70.00	\$90.00	\$110.00	\$130.00	\$165.00

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

Perfection ReCirculating



Read How the Re-circulating Feature Cuts Your Fuel Bill!

Good circulation is absolutely necessary to heat all the rooms in your home with a Warm Air Pipeless Furnace. To supply heat through one register in one room with no provisions to keep the air circulating is not sufficient. The air rising from the furnace will retain its velocity while it is hot, but as it cools, begins to fall and will return to the cold air intake on the outer part of the floor register.

The Harris Re-circulating Pipeless System with its cold air intake returning to the furnace heats all of the rooms quickly and evenly in the coldest weather and in re-circulating the air from the rooms less heat is required and less fuel needed to retain the steady even heat. This continuous circulation of air in all rooms mixing with the fresh air which comes into any house through doors and windows is a healthful advantage that should not be overlooked.

A particular advantage of Harris Re-circulating Furnaces is the unusually large cold air return. The outer casing being placed 8 inches from the inner casing allows a quick, active return of the cold air from the rooms above which increases circulation and gives a constant flow of warm air through your living rooms.

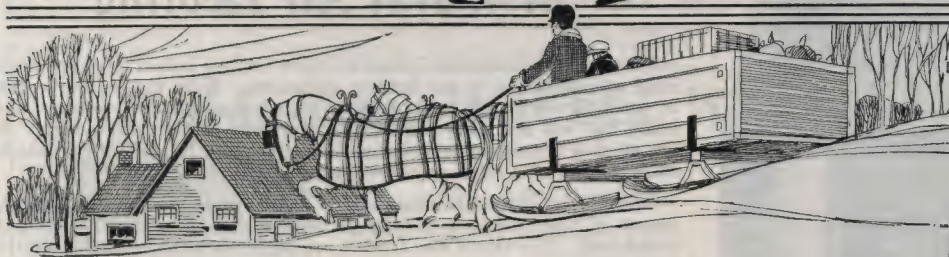
Built for Long Service!

"Harris" Re-circulating Double Casing Pipeless Furnaces are built to give lifelong service. Made entirely of cast-iron with double casing made of heavy galvanized iron. The fire pot is made in two sections with deep corrugations. The triangular grate and all parts coming in direct contact with the fire are made of finest heavy cast-iron. The ash pit is large and deep to prevent damage to the grate from accumulated ashes. Extra large door to ash pit and extra large fuel door. Large water pan. Cast-iron parts are smooth and nicely finished. The galvanized casing is securely fitted and perfectly joined.

Prices and Specifications

Number	Dia. Inner Casing	Dia. Outer Casing	Register Size	Dia. Hot Air Pipe	Heat Capacity Cubic Feet	Dia. Fire Pot	Size Feed Door	Dia. Smoke Pipe	Shipping Weight	Price
17-B-718	30 in.	38 in.	24x27	18 in.	10,000	18 in.	11x13	7 in.	900 lbs.	\$ 64.00
17-B-720	34 in.	42 in.	30x30	22 in.	13,000	20 in.	11x13	8 in.	1,000 lbs.	75.00
17-B-722	38 in.	46 in.	34x34	26 in.	18,000	22 in.	11x13	8 in.	1,200 lbs.	90.00
17-B-724	42 in.	50 in.	36x36	28 in.	25,000	24 in.	11x13	8 in.	1,400 lbs.	105.00
17-B-726	46 in.	54 in.	40x40	30 in.	35,000	26 in.	11x13	9 in.	1,700 lbs.	125.00

Double Casing Pipeless Furnace

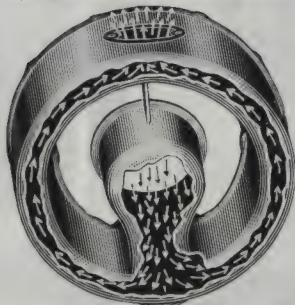


Every Nook and Corner of All Rooms Flooded with Clean Warm Air

Within a few moments after the fire is started, an abundance of warm air, cleaned and moistened from the water pan, rises quickly through one large register. This action naturally causes the cold air at the floor to fall, in a steady flow, toward the cold air intakes, where it is drawn in, cleaned, moistened, heated and passed on to the living rooms. In this way a continuous circulation is automatically started through all the rooms in your home—reaching to the farthest corners. All rooms adjoining the room in which the register is placed are evenly heated within a short time by simply opening the doors leading to them.

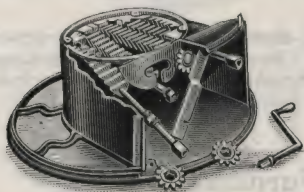


Large Cast Radiator



A special feature of "Harris" re-circulating double casing pipeless furnaces will be found in the extra large all-cast radiators. The cross-section view above shows the fire traveling. Gas and smoke must pass around the entire circumference and give up most of their heat before reaching the chimney.

Best Triangular Grate



Here is the improved triangular grate with which these splendid furnaces are equipped. Any of the grate bars can be removed or replaced without disturbing the rest of the grate in a moment's time. There are no bolts or cotter pins to take out—no special tools necessary. The most practical and convenient grate devised.

Improvements!

The "Harris" pipeless furnace has been carefully designed to embody all newest and best improvements, and as it is offered to you today it overcomes all the objectionable difficulties found in other makes. These furnaces present in themselves a complete heating system. They are ideal for the home, store, church, school and hall or for any building where the furnace can be placed in the basement near the center of the building. This furnace is designed to heat your entire building to an even temperature, distributing clean, warm air to every corner.

One Register System

The heated air rises through the center part of the register and circulates through doorways to all rooms, continuing to rise and travel while heated, then falling and returning to the furnace. In this way an almost perfect circulation is continually maintained.

Efficient—Economical

These splendid pipeless furnaces have been successfully installed and are giving thorough satisfaction in every part of the country. The principle of continuous circulation of heated, clean air to every corner is not only healthful but economical. There will be no stagnant air chambers in your home. When the heated air leaves the furnace, after giving up its heat, it returns to the furnace through the outer rim of the register, where it is cleaned, moistened and re-circulated through the heat register.

This sectional view shows clearly the extra large cold air return and the quick active warm air supply which increases circulation and prevents cold stagnant air pockets.

The Splendid One Register Heating System



With each Harris Pipeless Furnace we furnish a Black Japanned Finished Register of suitable size to supply an abundance of cold air to the furnace.

The outer casing is 26 gauge bright galvanized steel, lined with asbestos and galvanized corrugated steel.

Harris "Perfection" Steel Furnaces

An Engineering Achievement in Warm Air Heating



Harris "Perfection" Steel Furnace with Sheet Steel Casing

Construction

Boiler Plates—made of famous heavy Inlaid Copper-bearing rust-defying steel, riveted with steel rivets.

Combustion Chamber—cubical contents 16,000 cu. in. with a large super-radiator, thoroughly mixes the air with the coal gases, utilizing all the heat generated.

Plates—riveted and calked by the same method used in high pressure locomotive boilers.

Grates—locomotive type rocking bar grates with sufficient space to allow for perfect combustion, yet small enough to prevent the finer coal from sifting through.

Fire Brick—made from a famous heat resisting clay. This brick will withstand a heat of over 3,400 degrees.

Hot Blast—consisting of a large offset brick placed directly beneath the feed door admits heated air to combustion chamber. This greatly conserves fuel.

Feed and Ash Chutes—extend through casing and prevent ashes or smoke from getting into the chambers.

Harris Humidifier—consists of a large water container, which rests on the ash chute or feed chute, inside of the casing, with an extension outside the casing to provide for easy filling. This Humidifier has a water capacity approximately four times as large as the ordinary furnace. This sends a constant stream of moistened air to every room of the house.

The Harris "Perfection" Steel Furnace built of Inlaid Copper-bearing steel was designed by our heating engineers. With many new features of construction it will not only heat your home efficiently and economically but will humidify the air and give perfect heat circulation. We use steel in the manufacturing of these Furnaces because it permits the construction of a solid, one-piece, gas-tight furnace.

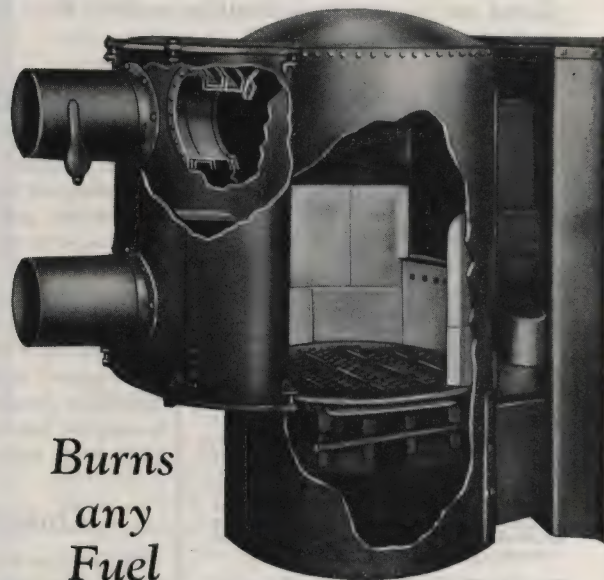
The Harris Humidifier makes it possible for the furnace to keep the rooms of your home comfortably heated with healthful air properly moistened. The doors and frames are perfectly fitted to insure perfect fire control.

The plates are steel riveted like high pressure locomotive boilers resulting in a tight furnace with no joints to leak gas, soot or smoke.

The combustion chamber is larger than any other type of furnace, with an average cubical content of 16,000 cubic inches. This mixes more air with the coal gases and means highest combustion efficiency.

The Harris "Perfection" Warm air furnace will burn any fuel; soft or hard coal, coke, lignite, wood, peat, corncocks, gas or oil. Its large hot blast combustion chamber makes it a most efficient soft coal burner as it consumes all the gases and soot and most of the smoke. The result is a low smoke pipe temperature proving conclusively that most of the fuel heat units are directed to the rooms of your home, thereby reducing your heating costs by using a minimum amount of fuel.

Each furnace is encased in an attractive galvanized sheet steel casing as illustrated at the left. This further insulates the furnace and prevents the escape of valuable heat.



The sectional view above shows the construction of a Harris "Perfection" Steel furnace. Note the large combustion chamber—height and thickness of fire brick and the special rocking type grates.

Prices and Specifications of Harris "Perfection" Steel Furnaces

No.	Height of Furnace Body	Diam. of Furnace Body	Diam. of Firepot	Capacity Cu. Ft.	Air Cap. Sq. In.	Diam. Casing	Height of Casing Over All	Height Upper Casing	Height Lower Casing	Diam. Smoke Collar	Price
178-1100	52	22	18	6,000 to 9,000	476	46	65	29	17	8	\$105.00
178-1101	52	26	22	9,000 to 12,000	579	50	64	29	17	8	112.00
178-1102	58	26	22	12,000 to 14,000	650	50	70	30	22	8	125.00
178-1103	52	30	26	15,000 to 20,000	730	54	66	30	16	9	140.00
178-1104	58	34	30	20,000 to 25,000	840	58	71	30	22	9	155.00
178-1105	76	34	30	25,000 to 35,000	1,080	58	86	32	36	9	180.00

Note—Nos. 00-1-3 are 52 in. high; Nos. 2-4 are 58 in. high; No. 5 is 76 in. high.

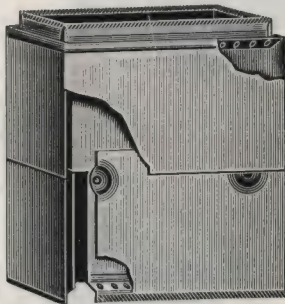
Improved Warm Air Furnace Equipment

The warm air furnace equipment on this and the following page present a careful selection. All improved features to increase the efficiency of warm air heating systems and simplify their installation.

Let Our Heating Engineers Help You

If you are planning to install a heating system and do not thoroughly understand all details of installation, you should take advantage of our Free Engineering service. Experts are waiting to help you.

Self-Locking DOUBLE Wall Pipe

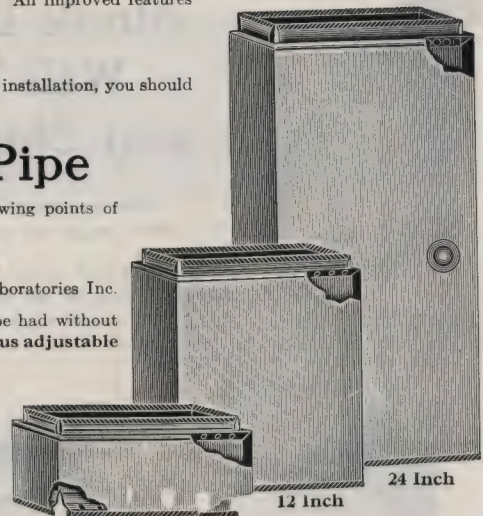


18-B-117.
Adjustable Joint

Our Self-Locking Double Wall Pipe possesses the following points of superiority:

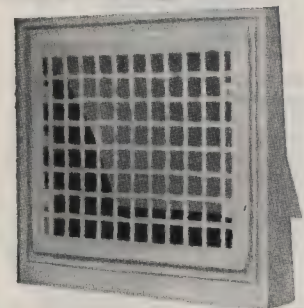
- 1—Locks automatically and permanently.
- 2—Complies with all requirements of the Underwriters Laboratories Inc.
- 3—Any desired length, even to a fraction of an inch can be had without cutting. This is accomplished by means of our ingenious adjustable joint No. **18-B-117** illustrated at the left.
- 4—By using double wall pipe greatest efficiency can be obtained by saving 25 per cent, in transmitting heat as compared with single pipe wrapped with asbestos paper.

Low Prices!



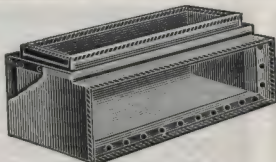
6 Inch
12 Inch
24 Inch
Illustrating three sizes of our self-locking Double Wall Pipe

Base Board Registers



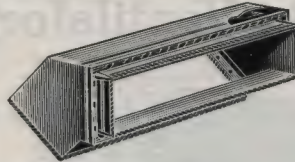
18-B-132 Newest and most efficient steel register. This register can be attached to the tin box or stock head by means of straps for which holes have been provided. Wood screws are furnished with each register for attaching to studding. Either Lacquered Antique Bronze or White Japanned.

Order by Number		18-B-14	18-B-16	18-B-17	18-B-18
Size of Pipe	Inside	2 3⁄8x10 ins.	2 3⁄8x12 ins.	3x10 ins.	3x12 ins.
	Outside	3x10 3⁄8 ins.	3x12 3⁄8 ins.	3 3⁄8x10 3⁄8 ins.	3 3⁄8x12 3⁄8 ins.
Section 4 inches long		\$0.32	\$0.42	\$0.32	\$0.42
Section 6 inches long		.42	.53	.42	.53
Section 10 inches long		.53	.63	.53	.63
Section 12 inches long		.59	.69	.59	.69
Section 18 inches long		.80	.95	.80	.95
Section 24 inches long		1.05	1.26	1.05	1.26
18-B-117 Adjustable Joint		.59	.69	.59	.69



Stack Tees
18-B-116

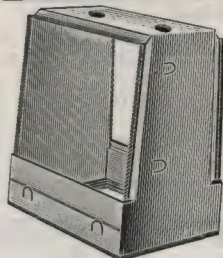
For 17-B-14 Wall Pipe.....	\$.88
For 17-B-16 Wall Pipe.....	.98
For 17-B-17 Wall Pipe.....	.88
For 17-B-18 Wall Pipe.....	.98



Stack Angles
18-B-21

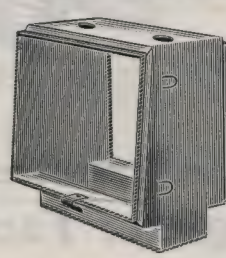
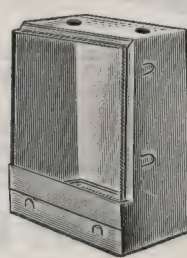
For 17-B-14 Wall Pipe.....	\$.45
For 17-B-16 Wall Pipe.....	.49
For 17-B-17 Wall Pipe.....	.45
For 17-B-18 Wall Pipe.....	.49

18-B-132



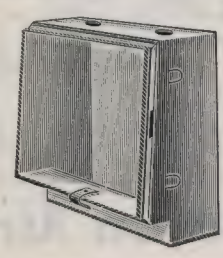
Stack Heads for First Floor

18-B-2. Stack Heads. For first Floor. Two Registers.		18-B-1. Stack Head. For first Floor. One Register.	
8x10.....	\$1.72	8x10.....	\$1.47
9x12.....	1.92	9x12.....	1.67
10x12.....	1.92	10x12.....	1.67
12x13.....	2.06	12x13.....	1.82



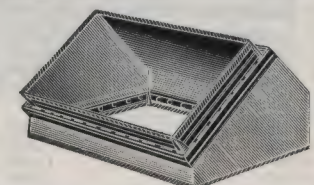
Stack Heads for Second Floor

18-B-5. Stack Head. For second Floor. Two Registers.		18-B-4. Stack Head. For second Floor. One Register.	
8x10.....	\$1.90	8x10.....	\$1.60
9x12.....	2.10	9x12.....	1.85
10x12.....	2.10	10x12.....	1.85



Angles for First Floor

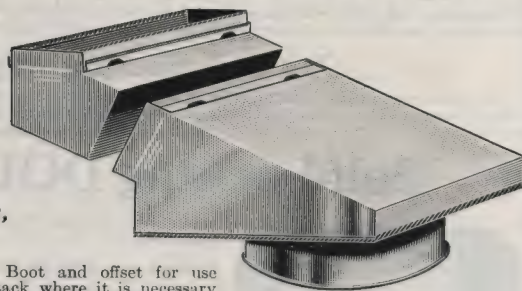
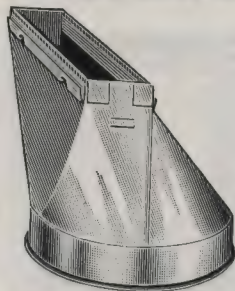
18-B-221. Angles. For use first Floor Stack Heads 18-B-1.		18-B-521. Angles. For use first Floor Stack Heads 18-B-2.	
8x10.....	\$1.61	8x10.....	\$1.99
9x12.....	1.83	9x12.....	2.10
10x12.....	1.83	10x12.....	2.10
11x13.....	2.00	11x13.....	2.25



Prices on Single Stack Heads quoted on request

Warm Air Furnace Equipment^{and} Supplies

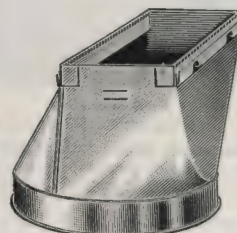
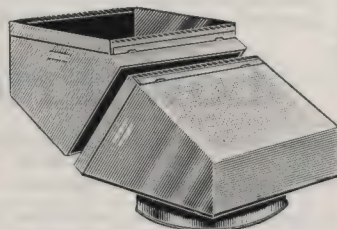
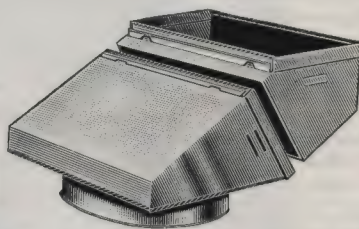
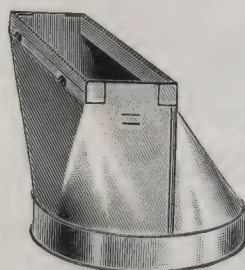
Single Boots for Wall Stacks and Stack Heads



Boots cannot be furnished with collar, larger or smaller than indicated

18-B-308. Boot for use with wall stacks:
For **18-B-14** Wall Pipe, 7 inch collar.....**49c**
For **18-B-16** Wall Pipe, 8- 9 inch collar.....**56c**
For **18-B-17** Wall Pipe, 8- 9 inch collar.....**49c**
For **18-B-18** Wall Pipe, 9-10 inch collar.....**56c**

18-B-352. Boot and offset for use with wall stack where it is necessary to offset over a beam.
For **18-B-14** Wall Pipe, 7 inch collar.....**77c**
For **18-B-16** Wall Pipe, 8- 9 inch collar.....**87c**
For **18-B-17** Wall Pipe, 8- 9 inch collar.....**77c**
For **18-B-18** Wall Pipe, 9-10 inch collar.....**87c**

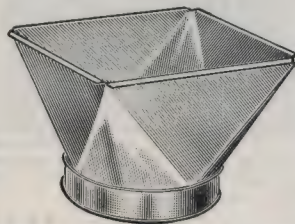


18-B-408. Boot for First Floor Stack Head No. 18-B-1.
Size, 8x10, 8 in. collar.....**59c**
Size, 9x12, 9 in. collar.....**67c**
Size, 10x12, 10 in. collar.....**67c**
Size, 11x13, 12 in. collar.....**73c**

18-B-452. Boot and offset for use with First Floor Stack Head 18-B-1, to offset over beam.
Size, 8x10, 8 in. collar.....**\$0.94**
Size, 9x12, 9 in. collar.....**1.06**
Size, 10x12, 10 in. collar.....**1.06**
Size, 11x13, 12 in. collar.....**1.15**

18-B-652. Boot and offset for use with First Floor Stack Head 18-B-2, to offset over beam.
Size, 8x10, 8 in. collar.....**\$1.22**
Size, 9x10, 9 in. collar.....**1.35**
Size, 10x12, 10 in. collar.....**1.35**
Size, 11x13, 12 in. collar.....**1.43**

18-B-608. Boot for First Floor Stack Head 18-B-2.
Size, 8x10, 8 in. collar.....**\$0.81**
Size, 9x12, 9 in. collar.....**.90**
Size, 10x12, 10 in. collar.....**.90**
Size, 11x13, 12 in. collar.....**.95**

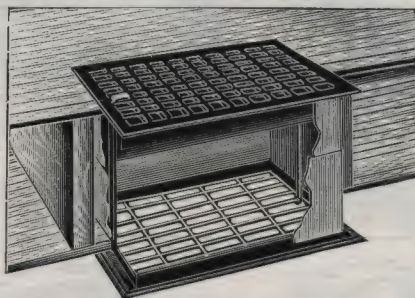


Register Box

18-B-601. Register Box for First Floor Registers.

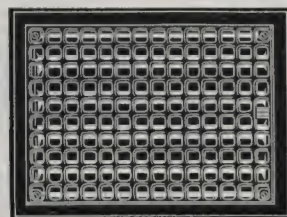
Size, 8x10, 8 in. collar.....**\$0.42**
Size, 9x12, 9 in. collar.....**.44**
Size, 10x12, 10 in. collar.....**.51**
Size, 12x15, 12 in. collar.....**.67**
Size, 14x20, 14 in. collar.....**1.40**

Adjustable Ventilators



18-B-602. Adjustable Ventilators. Adjustable from 7 to 12 inches, supplied with Black Japanned Register at top and White Japanned Register Face at bottom.

Size, 8x10.....**\$3.70** | Size, 10x12.....**\$5.35**
Size, 9x12.....**4.50** | Size, 12x14.....**8.40**

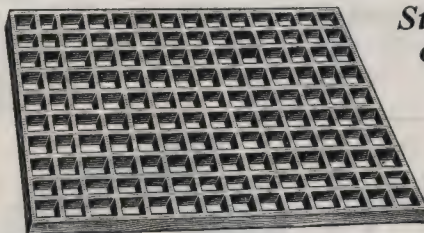


Floor Register

18-B-600. Floor Register.

Size	Register	Border
8x10.....	\$1.40	\$.95
9x12.....	1.75	1.20
10x12.....	2.00	1.40
12x15.....	3.75	2.40
14x20.....	8.00	4.00

Return Air Register Face



Strongly Made of Select Oak

Eight Sizes

18-B-700. Oak Return Air Face.

16x21.....	\$1.50	18x30.....	\$2.00
20x24.....	1.80	20x30.....	2.25
14x30.....	1.60	24x30.....	2.75
16x30.....	1.80	30x30.....	3.25

Asbestos Paper

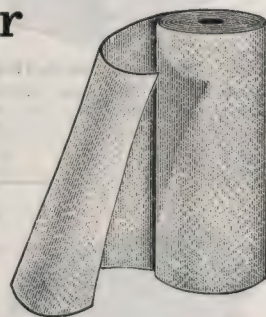
18-B-710. A fireproof material made of natural, mineral asbestos fibre. It is very soft and pliable. It is usually applied with starch paste or the special asbestos paste listed below.

In addition to covering hot air pipes, asbestos paper can be used for covering ceilings, walls, partitions, exposed to heat. It comes in rolls 36 inches wide, weighing about 1 lb. to the sq. yd.

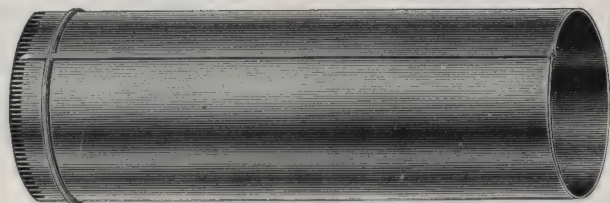
25 pound rolls, each..... **\$2.25**

Asbestos Paste

18-B-712. Asbestos Paste for applying asbestos paper to pipes. Comes in 2 pound packages. Per package..... **50c**



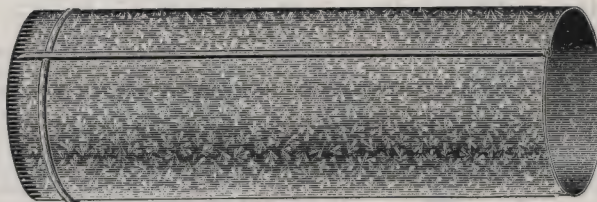
Select Material of Best Manufacture



18-B-145.

Warm Air Tin Pipe

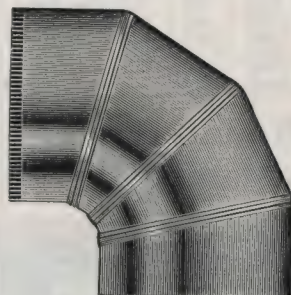
7 inch, per foot.....	21c	10 inch, per foot.....	27c
8 inch, per foot.....	23c	12 inch, per foot.....	32c
9 inch, per foot.....	25c	14 inch, per foot.....	49c



18-B-7530.

26 Gauge Galvanized Smoke Pipe

5 inch, per foot.....	23c	9 inch, per foot.....	31c
6 inch, per foot.....	25c	10 inch, per foot.....	34c
7 inch, per foot.....	28c	12 inch, per foot.....	45c
8 inch, per foot.....	30c		

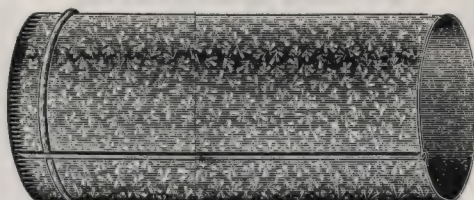


18-B-146.

Adjustable Warm Air Tin Elbows

7 inch, each.....	30c
8 inch, each.....	32c
9 inch, each.....	35c
10 inch, each.....	42c
12 inch, each.....	59c

Warm Air, Smoke Pipe and Cold Air Pipe come in two foot sections. Each section is formed and shaped all ready to be locked into position.

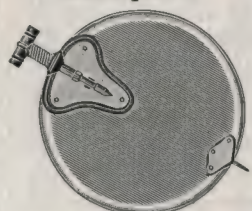


18-B-7540.

26 Gauge Adjustable Galvanized Smoke Elbows

5 inch, each.....	\$0.34
6 inch, each.....	.38
7 inch, each.....	.42
8 inch, each.....	.49
9 inch, each.....	.56
10 inch, each.....	.70
12 inch, each.....	.98

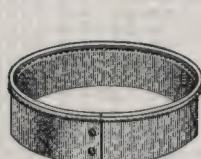
Steel Warm Air Dampers



18-B-147.

7 inch, per foot.....	20c
8 inch, per foot.....	23c
9 inch, per foot.....	25c
10 inch, per foot.....	28c
12 inch, per foot.....	42c
14 inch, per foot.....	56c

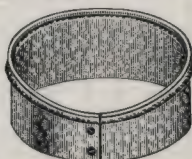
Warm or Cold Air Pipe Collars



Top Bonnet Collar

18-B-148.

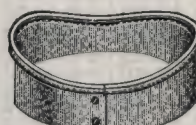
7 inch, each.....	14c
8 inch, each.....	17c
9 inch, each.....	20c
10 inch, each.....	21c
12 inch, each.....	25c
14 inch, each.....	32c



Pitch Bonnet Collar

18-B-149.

7 inch, each.....	28c
8 inch, each.....	29c
9 inch, each.....	32c
10 inch, each.....	35c
12 inch, each.....	42c
14 inch, each.....	52c



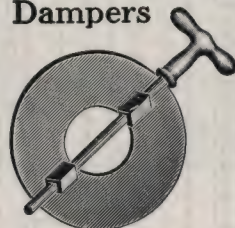
Side Bonnet Collar

18-B-150.

10 inch, each.....	28c
12 inch, each.....	29c
14 inch, each.....	32c
16 inch, each.....	35c
18 inch, each.....	42c
20 inch, each.....	52c

Collar for attaching Hot Air and Cold Air Pipe to furnace.

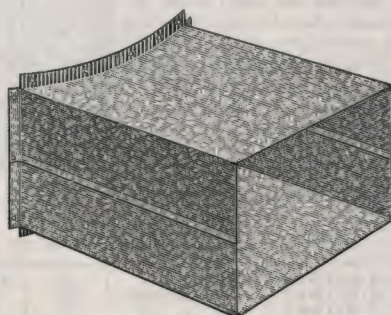
Cast Iron Smoke Dampers



18-B-7535.

5 inch, each.....	38c
6 inch, each.....	40c
7 inch, each.....	42c
8 inch, each.....	56c
9 inch, each.....	70c
10 inch, each.....	84c
12 inch, each.....	98c

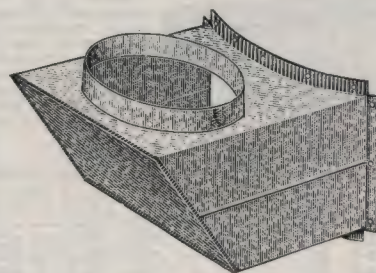
Rectangular Return Air Shoe



18-B-701. Return Air Shoe. For Rectangular Duct. Made of galvanized iron.

Size, 10x16 in., ea..	\$2.70
Size, 12x18 in., ea..	2.80
Size, 13x20 in., ea..	3.20
Size, 14x23 in., ea..	3.60
Size, 15x26 in., ea..	4.25

Round Return Air Shoe



18-B-702. Return Air Shoe. For Round Ducts. Made of galvanized iron.

10x16 in., 14 in. collar. Each.....	\$3.08
12x18 in., 16 in. collar. Each.....	\$3.36
13x20 in., 18 in. collar. Each.....	\$3.92
14x23 in., 20 in. collar. Each.....	\$4.48
15x26 in., 22 in. collar. Each.....	\$4.55

Steel and Wood Storage Tanks

Steel Tanks Made of Full Weight U. S. Standard Galvanized Steel

Low Prices and Guarantee
We quote the lowest prices ever made.

Quality

We use only the best quality of galvanized steel sheets and guarantee full weight U. S. Standard gauge No. 20.

How Made

All joints are lock seamed. This style of joint is considered the best possible construction, as there are four thicknesses of metal tightly joined.

Covers

We can furnish flat covers at 30c per sq. ft. for any tank shown and the size of cover is obtained by multiplying the square of the tank. As an example, on a round tank 4 ft. in diameter a square would be 4x4 or 16 square feet. On round end tanks the square is figured by the length and width and longest and widest point.

Capacity

The capacity of tanks as shown in barrels is based on 31 1/2 gallons to the barrel. In figuring the round end tanks no allowance has been made for the round corners, so these tanks will not hold quite as rated.

Knocked Down Tanks

When tanks are shipped knocked down all holes are punched, every part is fitted together at the factory and sufficient solder and rivets are sent to put the tank together.

Pipe Connection

We do not cut pipe connection in steel tanks, because it is a difficult matter for anyone to tell before receiving their tanks just where it is best to cut the hole. You can easily cut the hole by using a cold chisel and cut against a block of hard wood.

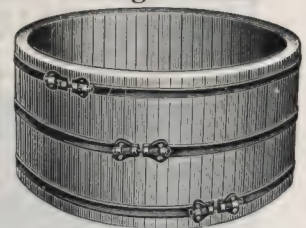
Our galvanized pipe connections consist of one close nipple, two leather washers, two lock nuts and one pipe cap, so you can close hole when you wish. Shipped from factory with tanks.

Prices as follows:

4-B-1600. Pipe Connections.
Size, inches..... 3/4 1 1 1/4 1 1/2 2
Each..... 45c 45c 60c 65c 90c

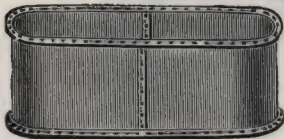
Washington Fir, Stock and Storage Tanks

Made of strictly clear Washington Fir, with Steel Hoops and Lugs. Size: 1 1/2 inch stock is dressed to about 1 3/8 inches thick and 2 inch stock is about 1 7/8 inches thick. On tanks 8 feet or larger in diameter, we recommend that they be made of the 2 inch stock. We ship tanks Knocked Down direct from warehouse located in Wisconsin.



Order Number	Diam. feet	Length of Staves, Feet	No. of Hoops	Capacity Gallons	Wt. 1 1/2" Lbs.	Price 1 1/2"	Wt. 2" Lbs.	Price 2"
4-B-2001	4	2	2	138	200	\$13.90	260	\$16.25
4-B-2003	4	4	3	277	300	19.00	390	24.30
4-B-2005	5	2	2	221	225	15.90	363	20.25
4-B-2007	5	5	4	575	550	30.75	715	39.50
4-B-2009	6	2	2	324	300	19.80	390	25.30
4-B-2013	7	2	2	446	400	25.80	520	30.35
4-B-2017	8	2	2	588	455	27.75	591	35.40
4-B-2021	10	2	2	931	600	41.25	780	47.25
4-B-2025	6	6	4	1100	695	41.90	1903	53.50
4-B-2027	6	8	5	1490	.....	.....	1170	74.45
4-B-2029	8	6	4	1950	.....	.....	1267	71.80
4-B-2031	8	8	5	2700	.....	.....	1495	99.25
4-B-2033	10	10	7	5400	.....	.....	1787	156.00

Round End Galvanized Steel Tanks



Made of No. 20 gauge galvanized steel, guaranteed. Always shipped set up unless otherwise ordered. Sufficiently heavy for ordinary stock watering or storage purposes.

Tanks made of No. 18 gauge steel, additional charge of 25 per cent.

BRACING. On tanks 6, 8 and 10 feet long we furnish one angle brace across the top and two on each side. On larger tanks there are two braces across the top and three on each side.

Prices are F. O. B. Factory, Northern Indiana.

Number	Wth. Ft.	Ht. Ft.	Lth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-B-1831	2	1	4	1 1/2	50	\$5.35
4-B-1832	2	1	6	2 1/2	60	7.30
4-B-1833	2	1	8	3 1/2	85	9.25
4-B-1834	2	2	4	3 3/4	65	6.80
4-B-1835	2	2	6	5 3/4	90	10.00
4-B-1836	2	2	8	7 1/2	120	12.00
4-B-1837	2	2 1/2	8	9 1/2	137	13.65
4-B-1838	2 1/2	2	8	9 1/2	135	12.70
4-B-1839	2 1/2	2 1/2	8	12	150	14.65
4-B-1840	3	2	8	11 1/2	145	13.65
4-B-1841	3	2 1/2	8	14	160	15.60
4-B-1842	4	2	8	15	155	17.55
4-B-1843	4	2 1/2	8	17	174	19.50
4-B-1844	4	3	8	23	195	21.45
4-B-1845	3	2	10	14	165	17.40
4-B-1846	3	2 1/2	10	18	192	19.50
4-B-1847	3	3	10	21	215	23.20
4-B-1848	4	2	10	19	205	21.00
4-B-1849	4	2 1/2	10	24	225	23.25
4-B-1850	4	3	10	29	245	27.80
4-B-1851	4	2	16	30	315	33.15
4-B-1852	4	2 1/2	16	38	365	37.05
4-B-1853	5	2	16	38	380	39.00
4-B-1854	5	2 1/2	16	47	400	43.90

Square End Galvanized Tanks



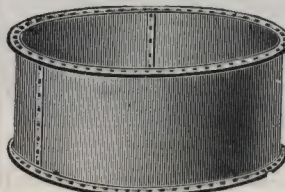
Made of No. 20 gauge galvanized steel, guaranteed. Sufficiently heavy for ordinary stock watering or storage purposes.

These tanks made of No. 18 gauge steel at an additional charge of 25 per cent.

Prices are F. O. B. Factory, Northern Indiana.

Number	Wth. Ft.	Ht. Ft.	Lth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-B-1863	2	2	4	3 3/4	75	\$8.30
4-B-1864	2	2	6	5 3/4	105	10.75
4-B-1865	2	2	8	7 1/2	130	15.60
4-B-1866	2	2 1/2	8	9 1/2	135	17.55
4-B-1867	2 1/2	2	8	9 1/2	150	17.05
4-B-1868	3	2	8	11 1/2	160	18.25
4-B-1869	3 1/2	2 1/2	8	12	170	19.00
4-B-1870	3	2	10	14	190	21.45
4-B-1873	3	2 1/2	10	18	215	23.90
4-B-1874	4	2	10	19	225	25.10

Round Galvanized Steel Tanks

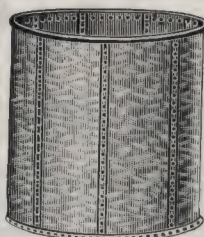


Made of No. 20 gauge galvanized steel, guaranteed. Always shipped set up, unless otherwise ordered. This gauge of steel is sufficiently heavy in any of the sizes which we offer these tanks for ordinary stock, watering or storage purposes. We can

furnish these tanks made of No. 18 gauge steel at 25 per cent higher prices. Prices are F. O. B. cars, Factory, Northern Indiana.

Number	Diam. Ft.	Ht. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-B-1801	3	2	3	65	\$7.80
4-B-1802	4	2	6	90	9.25
4-B-1803	4	2 1/2	7	100	10.50
4-B-1804	4	3	9	115	12.40
4-B-1805	4	4	12	130	15.60
4-B-1806	5	2	9 1/2	115	12.70
4-B-1807	5	2 1/2	12	130	14.15
4-B-1808	5	3	14	140	15.10
4-B-1809	5	4	19	170	20.50
4-B-1810	6	2	14	150	15.60
4-B-1811	6	2 1/2	17	160	17.00
4-B-1812	6	3	20	180	19.50
4-B-1813	6	4	27	210	24.40
4-B-1814	6	5	34	240	29.25

Round Galvanized Storage Tanks



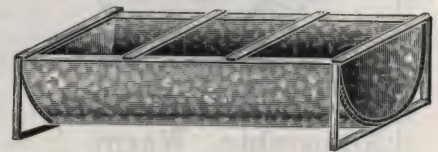
These tanks are shipped knocked down, properly marked to facilitate erection. Every tank is set up at our factory and inspected before shipment. We furnish sufficient solder and rivets. Full instructions also accompany each shipment.

We recommend No. 18 gauge for tanks of 40 bbls. cap. and larger, No. 16 gauge for 100 bbls. tanks and larger.

Prices are F. O. B. Factory, Northern Indiana.

Number	Dia. Ft.	Ht. Ft.	Cap. Bbl.	Wt. Lbs.	Price 20 G.	Price 18 G.	Price 16 G.
4-B-1816	6	6	41	340	\$34.25	\$42.75	.....
4-B-1817	6	8	54	430	42.00	52.50	.....
4-B-1818	8	5	60	475	46.55	58.20	.....
4-B-1819	8	6	72	530	51.45	64.25	.....
4-B-1820	8	8	95	640	63.70	79.60	\$ 95.55
4-B-1821	8	10	120	750	.....	89.00	107.00
4-B-1822	10	8	150	875	.....	.....	123.00
4-B-1823	10	10	180	970	.....	.....	139.00

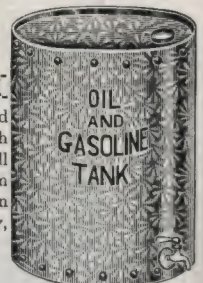
Round Bottom Galvanized Tanks



No Cross Bars on Tanks less than 10 feet long. Made of 20 gauge, galvanized steel, guaranteed. Furnished with steel frame or truss at each end so it can be set on the ground. Does not have to be bolted to timbers. One cross bar on tanks 10 feet long or over. Prices are F. O. B. cars, Factory, Northern Indiana.

Number	Wth. Ft.	Dth. Ins.	Lth. Ft.	Cap. Bbls.	Wt. Lbs.	Price Each
4-B-2964	1 1/2	8	10	2	60	\$4.90
4-B-2967	2	12	8	4	90	7.80
4-B-2968	1 1/2	14	8	4	90	7.85
4-B-2966	1 1/2	14	10	5	100	8.80
4-B-2965	2	12	10	5	100	8.85
4-B-2963	2	20	8	6	130	11.70
4-B-2962	2 1/2	18	8	6	130	11.75
4-B-2961	2	20	10	8	150	13.65
4-B-2960	2 1/2	18	10	8	130	13.70
4-B-2972	3	24	8	10	165	15.60
4-B-2971	3 1/2	22	8	10	165	15.65
4-B-2970	3	24	10	13	175	16.60
4-B-2969	3 1/2	22	10	13	175	16.65
4-B-2974	4	24	8	16	185	18.50

Gasoline and Oil Tanks



Made of No. 20 gauge galvanized steel, is very strong and durable and will stand much hard usage. These tanks are fitted with a screw cap opening in top to fill by and faucet in side near bottom to draw off contents. Prices given below are F. O. B. cars, Factory, Northern Indiana.

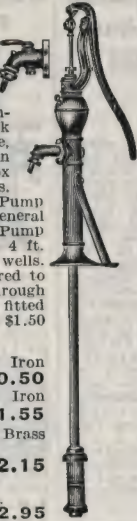
Number	Inside Diam. Inches	Ht. Inches	Cap. Gals.	Price Each
4-B-1960	18	30	32	\$5.35
4-B-1961	24	40	58	6.15
4-B-1962	24	36	70	7.60
4-B-1963	34	30	117	9.80
4-B-1964	34	36	140	10.75
4-B-1965	34	42	165	12.95
4-B-1966	34	48	185	14.20
4-B-1967	40	42	225	16.15
4-B-1968	40	48	260	17.60

A Selection of Quality Pumps Priced Low

Extra Heavy Hand Force Pump

For deep or shallow wells made of the best materials by skilled mechanics. Extra long handle. This pump is anti-freezing. Has a large air chamber, internal air tubes, back outlet for discharge, brass covering, piston rod, brass stuffing box and heavy cast braces. We recommend this Pump as the very best general purpose Hand Force Pump made. Fitted with 4 ft. set length for 25 ft. wells. If this Pump is desired to discharge water through back outlet it can be fitted with a cock spout at \$1.50 additional.

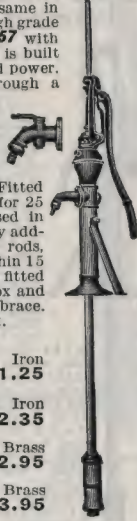
4-B-2357. 3x10. Iron Cylinder. Price...\$10.50
4-B-2359. 3½x10. Iron Cylinder. Price...\$11.55
4-B-2361. 3x10. Brass Body Cylinder. Price...\$12.15
4-B-2363. 3½x10. Brass Body Cylinder. Price...\$12.95



Extra Heavy Windmill and Hand Force Pump

This pump is the same in construction as our high grade Pump No. **4-B-2357** with the exception that it is built for windmill and hand power. Will force water through a hole to any desired elevation. If it is desired to discharge water through the back outlet order with cock spout at \$1.50 additional. Fitted with 4 ft. set length for 25 ft. well. Can be used in deeper wells by simply adding pipe and pump rods, keeping cylinder within 15 ft. of the water. Is fitted with brass stuffing box and heavy cast iron brace. Built for heavy work.

4-B-2365. 3x10. Iron Cylinder. Price...\$11.25
4-B-2367. 3½x10. Iron Cylinder. Price...\$12.35
4-B-2369. 3x10. Brass Cylinder. Price...\$12.95
4-B-2371. 3½x10. Brass Cylinder. Price...\$13.95



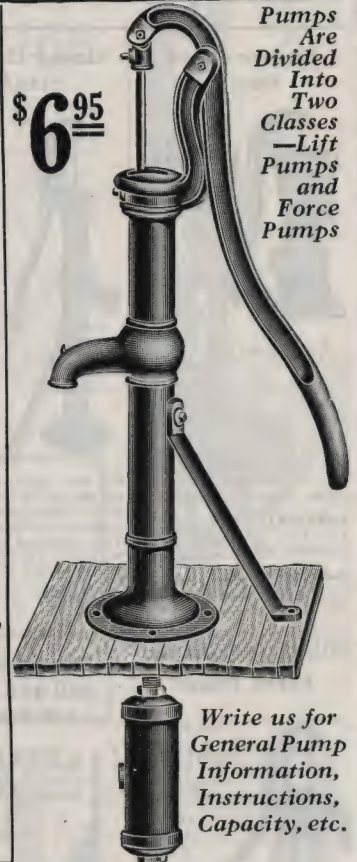
Double Acting Ratchet Head Force Pump

This Pump has adjustable base brass upper cylinder goose neck spout with hose connections, constructed to go in 5½ in. casing ratchet or gear head. It is an up-to-date and improved pump. By this construction the leverage is so much increased that a deep well being hard to pump with a fullerum handle becomes easy to work with a Ratchet Head Pump. We furnish with this pump a lower cylinder which can be lowered to within 10 ft. of the water and used in wells of nearly any depth.

4-B-2411. 2½ x 10. Polished Iron Cylinder. Price...\$10.50
4-B-2413. 3 x 10. Polished Iron Cylinder. Price...\$10.80
4-B-2415. 2½ x 10. Brass Cylinder. Price...\$12.00
4-B-2417. 3x10. Brass Cylinder. Price...\$12.50



Pumps Are Divided Into Two Classes—**Lift Pumps and Force Pumps**



Premier Wind and Hand Force Pump Standard

The Premier Windmill standard is designed for Windmills and Hand Force Pumps. Another all above ground Force Pump which is built heavy and strong with a plain or cock spout as desired. Fitted for 1¼ in., 1½ in. or 2 in. Pipe and with back outlet for 1¼ in. Pipe. Brass stuffing box, piston rod, revolving head, extra long handle and heavy braces. There is nothing better in Force Pump Standard. This is not a complete Pump and the price includes standard only. Standard is fitted for 6 in. stroke. In ordering, be sure and specify size of pipe for which you wish Pump fitted. Cock Spout for \$2.00 additional.

4-B-2373. Fitted for 1¼ in. or 1½ in. pipe. Price...\$8.25
4-B-2375. Fitted for 2-inch pipe. Price...\$9.20



Double Acting Horizontal Force Pump

Brass lined cylinder, extension air pump brass piston, rod and valve seats, easy working, compact, powerful, substantial. This pump is most powerful, reliable and efficient pump made for elevating water from well or cistern to attic tank or upper floors. Easy working against high pressure. It is double acting and has a capacity of about 300 gallons per hour. Has iron handles and provided with convenient hand holes. Each pump is tested at our factory and is guaranteed positively water and air tight. Cylinder heads are removable. Valves are easily unpacked by unscrewing. Piston rod and valve seats are brass. Both sides are tapped for 1¼ in. suction and 1 in. discharge.

4-B-2395. Horizontal Force Pump, 3-in. brass lined cylinder. Price...\$13.65

When pump is used as combined water and air pump, we furnish same pump equipped with ¾ in. pet cock and ¼ in. check valve. Has pneumatic attachment to screw in cylinder head. To pump air and water simply open pet cock.

4-B-2455. Combined Water and Air Pump. Price...\$15.30



OUR LEADER PUMP

The greatest pump bargain ever offered. Has a regular 4 ft. set length. Adapted for cisterns or wells not over 25 ft. deep. By lowering cylinder within 10 ft. of water it can be used in deeper wells. Has 6 in. stroke. Fitted with 3x10 iron cylinder. The top is a separate casting attached with a set screw, allowing you to set the handle to any position you wish. Body is cast and is large and strong and nicely finished. A wonderful bargain.

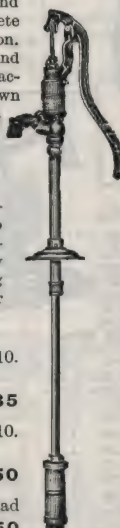
4-B-2267. Price...\$6.95

Our Renown Force Pump

A Force Pump that will do the business and is very cheap. Complete with hose connection. A wonderful bargain and gives absolute satisfaction. Cylinder 4 ft. down for cistern wells or wells 25 ft. deep or less. This pump, however, is adapted to wells as deep as 50 or 75 ft. The base may be adjusted after the pump is set by merely loosening the set screw or raising or lowering the pump to the upper height.

4-B-2401. 3 x 10. Iron Cylinder. Price...\$8.85
4-B-2405. 3 x 10. Brass Cylinder. Price...\$10.50

For Windmill Head add...\$2.50



Double Acting Under Ground 3-Way Force Pump

The latest thing in an Improved Anti-Freezing Hand Pump, for any depth well. For windmill or hand power. Quick-acting cam, 3-way lever, adjustable base, cast iron brace, large air valve, complete with hose connection, also cylinder and strainer. This is the best force pump to purchase for general purposes. It will discharge a great stream of water to any distance. Can be fitted with 1½ in. pipe without extra cost and with adjustable stroke.

6, 8 and 10 in. at an additional cost of \$2.00. Ratchet Head at additional cost of \$2.50.

4-B-2435. 2½ x 10 Brass Body Cylinder. Price...\$14.65
4-B-2437. 3 x 10 Brass Body Cylinder. Price...\$15.00
4-B-2439. 3½ x 10 in. Brass Body Cylinder. At...\$15.75



Double Acting Hand Force Pump

This Double Acting Force Pump has adjustable base, brass upper cylinder, gooseneck spout with hose connection, constructed to go inside 5½ in. casing. Especially adapted to use with hose about house or barn throws a steady stream and is easy to operate. This is a very neat, high class force pump at a very low price. For wells deeper than 25 ft. add pipe and pump rods to put cylinder down within 10 to 15 ft. below water mark in well.

4-B-2427. 2½x10 in. Iron Cylinder. Price...\$10.60
4-B-2429. 3 x 10 in. Iron Cylinder. Price...\$10.90
4-B-2431. 2½x10 in. Brass Cylinder. Price...\$12.10
4-B-2433. 3 x 10 in. Brass Cylinder. Price...\$12.60



Premier Double Acting 3-Way Pump

For windmill and Hand Power Under Ground Double Acting 3-Way Force Pump. This Pump is one of the most popular sellers which we have ever offered. They simply give perfect satisfaction under all conditions. This Pump is fitted with an up-to-date cam lever for quick adjustment and distributing valve. By merely throwing the lever you can change the Pump from spout supply to third way supply and force the water to tank or out on the lawn or any place you may desire. Pump is fitted with adjustable base, hose connection, strainer, brass upper cylinder, adjustable stroke and is tapped for 2 in. pipe with wood rod connection for tubular wells of any depth.

4-B-2425. Without lower cylinder. Price...\$14.15



Dependable Pumps and Sprays

Pitcher Spout Pumps



\$2.40

For cisterns and shallow wells. Bored and polished, finished with two coats green enamel paint, bronze stripping. Bearer top revolves so handle can operate at any angle by raising handle to extreme height. Can drain to prevent freezing. Fitted for 1 1/4 in. pipe unless otherwise specified.

4-B-2251. Size No. 2, 3 in. Iron Cylinder. Price... **\$2.40**

4-B-2253. Size No. 2, 3 in. Brass Body Cylinder. Price... **\$4.10**

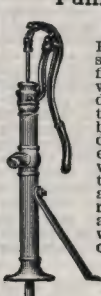
Heavy Hand Lift Standard



This is a very practical standard to use in drilled or dug wells. Prices quoted are for standard without cylinder. This standard can be used with our Cylinder 4-B-2723, 4-B-2724, 4-B-2725.

4-B-2299. Price... **\$4.20**

Perfection Anti-freezing Lift Pump



This Pump is set length fitted for wells not deeper than 25 ft., but cylinder can be extended with additional pipe and pump rod into any depth well that can be pumped by hand.

It is equipped with a heavy, strong handle, revolving top so that the handle can be operated at any angle from the spout. It has a large spout and is fitted with very best polished iron, brass lined or brass body cylinder. Fitted with a 4-ft. set length for 6 in. stroke. Fitted for 1 1/4 in. Pipe.

4-B-2269. 2 1/2 x 10 in. Iron Cylinder. Price... **\$7.10**

4-B-2271. 3x10 in. Iron Cylinder. Price... **\$7.35**

4-B-2275. 2 1/2 x 10 in. Brass body Cylinder. Price... **\$8.80**

4-B-2277. 3x10 in. Brass Body Cylinder. Price... **\$9.20**

Closed Top Anti-freezing

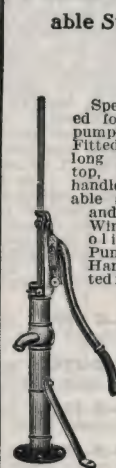


This Pump is designed for use in Public places where children or meddlesome grown-ups may drop stone, metal, etc. into the open top that will damage the valves or make it necessary to open up for repairs. It is built for deep drilled and dug wells, also for drive wells. Has revolving top. Furnished in either iron, brass lined or brass body cylinder. This pump is furnished with cylinder placed 4 ft. down for 25 ft. well, but can be fitted for any depth well by using additional pipe, keeping cylinder within 15 or 20 ft. of the water. Fitted for 1 1/4 in. Pipe.

4-B-2281. 3x10 in. Iron Cylinder. Price... **\$3.00**

4-B-2285. 3x10 in. Brass Body Cylinder. Price... **\$9.80**

Improved Windmill Standard Adjustable Stroke



Specially adapted for deep hard pumping wells. Fitted with strong long range bearer top, long heavy handle and adjustable stroke, 6, 8 and 10 in. For Windmills, Gasoline Engines, Pump Jacks or Hand Power Fitted for 1 1/4, 1 1/2 or 2 in. pipe. Always shipped for 2 in. pipe with malleable connections for wood pump rods unless otherwise specified.

4-B-2297. Price... **\$7.50**

Two-Way Kitchen Force Pump



\$5.95

This Pump is fitted with brass cylinder, brass valve seats, brass piston rod and stuffing box. It is tapped on top in the back of the head for 1 in. discharge pipe. It is a very powerful Pump and will maintain a high pressure. We recommend that this Pump be placed within 25 ft. of the water. Complete with Bibb.

4-B-2263. Size No. 1, 2 1/2 in. Brass Cylinder fitted for 1 1/4 in. pipe. Price... **\$5.95**

4-B-2265. Size No. 2, 3 in. Brass Cylinder fitted for 1 1/4 in. pipe. Price... **\$6.45**

Improved Kitchen Force Pump



This Pump has a brass cylinder, brass valve seat, brass piston rod and stuffing box. Combines both features of a lift and force pump with a syphon spout with hose connection. It is tapped on top in the back of the head for a 1 in. discharge pipe. It will force the water to any desired elevation to the second or third floor or out on the lawn. The Trip to drain this Pump is operated by raising the handle to the extreme height.

4-B-2264. Size No. 1, 2 1/2 in. Brass Body Cylinder fitted for 1 1/4 in. pipe. Price... **\$5.15**

4-B-2266. Size No. 2, 3 in. Brass Body Cylinder, fitted for 1 1/4 in. pipe. Price... **\$5.65**

Anti-freezing Windmill and Hand Lift Pump



This is a very substantial general purpose Pump. Built specially strong for heavy pumping. It can be quickly changed from hand to windmill by simply withdrawing the malleable pump pin from the pump handle to connect on the windmill pump rod. Furnished with the best polished iron, brass lined or brass body cylinder. Pump is furnished with a 4 ft. set length suitable for wells up to 30 ft. deep. Also can be used for wells for any depth by using additional pipe and pump rods. Always keep the cylinder within 10 to 15 ft. of the water.

4-B-2293. 3x10 in. Iron Cylinder fitted for 1 1/4 in. pipe. Price... **\$8.60**

4-B-2295. 3x10 in. Brass Body Cylinder fitted for 1 1/4 in. pipe. Price... **\$10.45**

"Perfection" Spray Pump



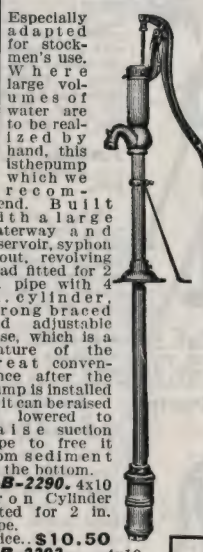
These Pump Bars are made of seamless brass tubing. The bottom is brass with brass gauge strainer. The valves are hard vulcanized rubber balls. The pressure which is brought on the down stroke can be easily made from 75 to 125 lbs.

The nozzle will throw a spray or solid stream, sprinkle or fine mist. Every pump is equipped with agitator to keep spraying solution stirred up. Each pump is fitted with 3 ft. of extra heavy 4 ply hose and nozzle.

4-B-2601. Price, with bucket attachment... **\$4.20**

4-B-2601. Price, fitted with foot holder instead of bucket attachment... **\$4.25**

Big Mouth Stock Pump

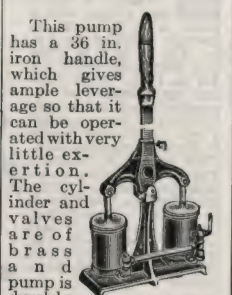


Especially adapted for stockmen's use. Where large volumes of water are to be realized by hand, this is the pump which we recommend. Built with a large waterway and reservoir, syphon spout, revolving head fitted for 2 in. pipe with 4 in. cylinder, strong brace and adjustable base, which is a feature of the great convenience after the pump is installed as it can be raised or lowered to raise suction pipe to free it from sediment at the bottom.

4-B-2290. 4x10 in. Iron Cylinder fitted for 2 in. pipe. Price... **\$10.50**

4-B-2292. 4x10 in. Brass Cylinder fitted for 2 in. pipe. Price... **\$13.55**

Double Acting Air Pump



This pump has a 36 in. iron handle, which gives ample leverage so that it can be operated with very little exertion. The cylinder and valves are of brass and pump is double acting and will provide a large column of air. The pump handle can be removed when pump is not in use. Diameter of the cylinder, 3 1/2 ins.; length, 5 ins.

4-B-2421 Price... **\$19.95**

\$14.40

Premier Thresher Tank Pumps



Large capacity double acting 5 inch cylinder, especially recommended where a large amount of water is required. Capacity, one to two barrels per minute. Furnished with goose neck discharge for 1 inch hose and suction for two inch hose connection. By removing couplings can be used for 2 inch iron pipe either side. Has brass valve seats and is superior to any tank pump on the market today. Suction strainer furnished free of charge with each pump.

4-B-2457. Pump complete as described. Price... **\$14.40**

4-B-2459. Five inches crimped plunger leathers for pump, per set of two... **\$1.00**

Horizontal Power Force Pump



\$35.75

Air cocks are provided to drain pump in cold weather. Occupies floor space 22x44 inches. Has a vertical suction lift 30 feet or less. Size, tight or loose pulleys, 14x2 1/2 inches. Gearing ratio, 3 to 1. Shipped from factory, Central Indiana.

4-B-2537. 3 in. 1 1/4 in. 1 1/2 in. **\$35.75**

Rotary Power Force Pump

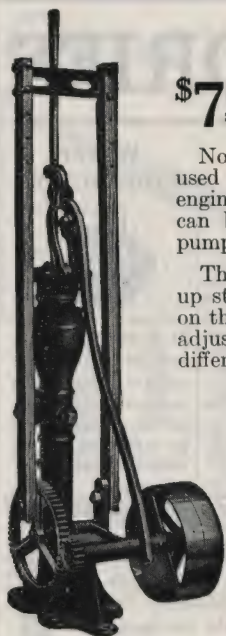


Capable of working against moderately high pressure. All bearings are babbitted. Valves are brass with leather facing. Has brass Stuffing Nut. Cross Head is heavy malleable iron.

Largest capacity power force pump made. Especially adapted for irrigation purposes. Will force water 200 feet and throw a solid stream of water 30 feet. Spout is threaded for iron pipe at end and also at top. Bearings are babbitted lined. Cap on upper discharge can be placed on end of spout and water discharged vertically.

	Capacity, Gals.	Suction Pipe	Discharge Pipe	Pulleys Inches	Without Balance Wheel
4-B-2503 ...	13	1 1/4	1	7x2 1/4	\$17.50
4-B-2505 ...	14	1 1/4	1	7x2 1/4	20.40
4-B-2507 ...	17	1 1/2	1 1/4	8x2 1/4	23.50
4-B-2509 ...	27	2	1 1/2	12x3 1/4	42.00
4-B-2511 ...	36	2	2	12x3 1/4	45.00

4-B-2513 Balance Wheel and Handle for Hand Power, extra... **\$7.50**



8-B-660
Base Jack
Weight, 80 lbs.

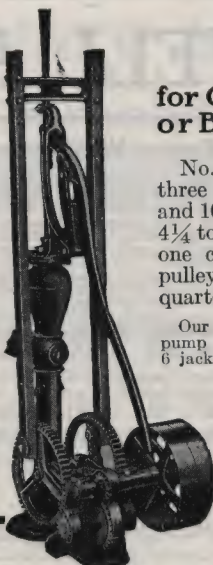
Pump

\$750 for Gas Engines or Belted Power

No. 550 and No. 660 Jacks are used in connection with gasoline engines or any other belt power and can be attached to any ordinary pump stand.

The pitman rods are vertical on up stroke so there is no side wear on the piston bar of pump, and are adjustable for pump stands of different heights.

Furnished with tight and loose pulleys, 12 inches in diameter, for 2-inch belt, and should be driven from 150 to 200 revolutions per minute.



Double Back-Geared Pump Jack, \$10.75

Fitted with two sets of driving gears. Has double the strength of the single geared type. Recommended for very deep wells.

It has three strokes, 4½, 7 and 10 inches, and is back geared 9¾ to 1, so that the driving pulley makes about 300 revolutions per minute while the pump is making 30 strokes per minute.

This is a most excellent jack to use with all sizes of gasoline engines; if you have a small engine you can belt direct without reducing its power or slowing engine down.

Pulleys are 12 inches in diameter for 2-inch belt, but if these sizes do not give you the required speed other diameter pulleys can be furnished at a nominal cost. Weight, 96 pounds.

8-B-770. Double Back-Geared Pump Jack. Price..... **\$10.75**

Jacks

for Gas Engines \$635 or Belted Power

No. 550 and No. 660 Jacks have three strokes—5 inch, 7½ inch and 10 inch, and are back-geared 4¼ to 1 so the pitman rod makes one complete stroke while the pulley makes four and one-quarter revolutions.

Our No. 5 jack clamps direct to pump as shown in illustration. No. 6 jack is so constructed that it bolts to same platform that pump is attached to and can be used on the floor, wall or ceiling. This jack we recommend where it is not possible to clamp direct to pump.



8-B-550
Clamp Jack
Weight, 70 lbs.

Clamps Direct to Pump

Pump Cylinders



The most important part of the pump—Our cylinders are most carefully made, bored true, and plungers fit accurately.

A 10-inch cylinder has a 6-inch stroke; a 12-inch cylinder an 8-inch stroke; a 14-inch cylinder a 10-inch stroke and a 16-inch cylinder a 12-inch stroke.

2-inch cylinders are fitted for 1-inch pipe; 2½ or 3-inch cylinders fitted for 1½-inch pipe; 3½-inch for 1½-inch pipe and 4-inch cylinders fitted for 2-inch pipe.

We recommend brass-body cylinders.

Iron Body Brass Lined Cylinders

4-B-2723

Diam. Inch	Length, Inches			
	10	12	14	16
2	\$2.75	\$2.90	\$3.10	\$3.52
2½	2.95	3.15	3.40	3.90
3	3.30	3.50	3.90	4.95
3½	3.85	4.10	4.50	4.45
4	4.80	5.25	5.80	6.55

Tubular Well Valves



Style No. 1

Two Leather Plunger



Flat Check



Style

Ball Leather Plunger



Ball Check



Style No. 3

Four Leather Plunger



Bale Top Check



Style No. 4

Four Leather Plunger



Bale Top Ball Check

Our Tubular Well Valves are heavy and strong and of the best quality of brass, carefully and well finished inside and out, fitted with the best oak tan leathers.

Prices quoted below per set consist of check and plunger valve.

No.	Size Ins.	Lea.	Price Set
4-B-2788	2	2	\$3.00
4-B-2789	2	4	3.75
4-B-2790	2½	2	4.85
No.	Size Ins.	Lea.	Price Set
4-B-2791	2½	4	\$6.00
4-B-2792	3	2	7.00
4-B-2793	3	4	8.60

Eureka Tubular Well Cylinder

Made of seamless drawn brass tubing with brass valves and designed to fit inside of the pipe in sizes as listed. The cylinder is perfectly flush, having no caps, making it possible to be slipped into pipe and set at any depth desired.

It can be readily removed for repairs or taken up and replaced in another well.

A seating tool is used for this purpose in connection with 1-inch pipe of sufficient length to lower seating tool to the depth which cylinder is to be placed. A spring coupling holds firmly to the walls inside of pipe. Length of stroke 12 inches.



Number	Size	Each
4-B-2777.	2 inch	\$5.80
4-B-2778.	2½ inch	8.85
4-B-2779.	3 inch	12.75

Brass Body Cylinders with All Brass Plungers

4-B-2724½

Diam. Inch	Length, Inches			
	10	12	14	16
2	\$4.95	\$5.70	\$6.05	\$6.45
2½	5.25	6.00	6.50	7.40
3	6.00	6.80	7.25	7.90
3½	7.10	8.50	9.10	9.90
4	9.60	11.15	11.75	12.70

All Iron Cylinders

4-B-2725

Diam. Inch	Length, Inches			
	10	12	14	16
2	\$1.45	\$1.90	\$2.15	\$2.20
2½	1.68	2.15	2.30	2.50
3	1.95	2.50	2.70	2.85
3½	2.72	3.20	3.55	4.00
4	3.45	4.10	4.60	5.15

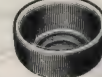


Lower Valve Leathers

4-B-2726. Made from the best oak tanned leather.

Dia., Cyl.	2	2½	3	3½	4
Each....	5c	6c	9c	11c	15c

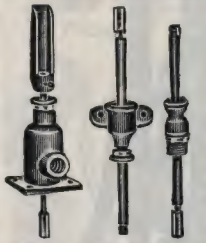
Plunger Leathers



4-B-2727. Made from best oak tanned leather.

Dia., Cyl.	2	2½	3	3½	4
Each....	10c	12c	15c	23c	28c

PUMP AND WELL ACCESSORIES



Stuffing Box Heads

Used in connection with tubular wells in place of Pump Standards.

Stuffing Box Head (Fig. No. 1) with side outlet made of iron with polished steel rod. Fitted at top end with square wood rod socket.

Fig. 1 Fig. 2 Fig. 3

Number	Pipe size, Inches	Stroke, Inches	Price, Each
4-B-2643	1 1/4	10	\$3.95
4-B-2645	1 1/2	10	3.95
4-B-2647	2	10	3.95

(Fig. No. 2), made of iron with 1/16-inch polished steel pump rod.

Number	Size, Pipe Inches	Stroke, Inches	Price, Each
4-B-2649	1 1/4	10	\$2.20
4-B-2651	1 1/2	10	2.20
4-B-2653	2	10	2.20

(Fig. No. 3), made of cast brass with 1/16-inch polished steel pump rod.

Number	Pipe, Size Inches	Stroke, Inches	Price, Each
4-B-2655	1 1/4	10	\$2.95
4-B-2657	1 1/2	10	2.95
4-B-2659	2	10	2.95



Gauze Covered Strainers

4-B-2671. Used on the end of well and cistern pipe and is covered with brass cloth.

Size, inches..... 1 1 1/4 1 1/2 2
Price, each..... 31c 36c 40c 56c



Tank Floats

To be used in connection with Float Valves. Stem being attached to valve lever to open and close automatically.

5-B-2689. Copper Floats. Size, 9 1/2 x 2 3/4 inches. Price, each..... \$1.50

5-B-2690. Copper Tank Floats. Size, 12x3 inches. Price, each..... \$1.90

Little Giant Pipe Holder

4-B-2685. A new device for holding pipe. Will hold pipe sizes 1, 1 1/2 and 2 ins. Dog has corrugated chilled surface, making it impossible for the pipe to slip. Strongly made and well finished. A thoroughly practical and satisfactory tool.

Price..... \$2.65



Float Valves



5-B-2687. Reversible Float outlet valves for automatically controlling the flow of water in reservoirs, stock tanks, cisterns,

etc., and is equally effective under high or low pressure. Valve opens with flow instead of against it. Valve will not stick, and is not injured by freezing. By reversing the lever a perfect outlet valve is obtained.

Size, inches..... 1/4 1 1 1/2
Price, each..... \$1.50 \$1.75 \$1.95



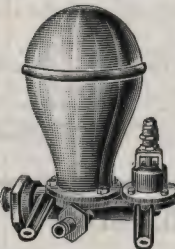
Drive Well Points

They are made of wrought iron pipe galvanized inside and out after the holes are punched. They are covered with brass gauze and have a great filtering surface. No. 60 gauze is generally used. No. 100 gauze is for quicksand. We can furnish either flush point for tubular well or with cast point for driving. Be sure and give number when ordering.

4-B-2661. Cast Point.
4-B-2663. Flush Point.

Diam. Inches	Length Inches	No. 60 gauze	No. 100 gauze
1 1/4	24	\$1.60	\$3.50
1 1/4	30	2.00	4.40
1 1/4	36	2.45	5.25
1 1/4	42	2.85	6.10
1 1/2	30	2.60	5.15
1 1/2	36	3.15	6.20
1 1/2	48	4.20	8.00
2	36	4.60	8.25

Perfection Hydraulic Rams



Here is one of the most wonderful machines for water supply. It will automatically lift water to a tank or reservoir, providing it is placed so as to obtain a fall of 2 ft. or more from the stream, or source of supply to this ram.

An example: If you are near a stream of water, so situated that you can secure a fall of 2 ft. or more from the water to the location of the ram, the ram will automatically discharge a certain portion of the water to a point considerably above and beyond the ram.

Ram should be placed below a Spring or stream of water at a distance varying from 25 to 50 feet. For every 10 ft. that you wish to elevate the water, the ram must be placed one foot below the level of the Spring. Should you wish to elevate the water to a height of 50 ft., ram would have to be placed at a point 5 ft. lower than the source of supply.
A ram with a 10 ft. fall will drive about 1-7 of the water furnished a distance of 100 to 200 rods to a position 100 to 200 ft. above the level of the ram.

Order No.	Size No.	Supply per min. to operate Ram, Gals.	Length of Drive Pipe, Ft.	Caliber of Pipes Ins.	Dr. Dis.	Price
4-B-2517	3	2 to 4	50 to 75	1	1/2	\$14.25
4-B-2519	4	3 to 7	50 to 100	1 1/4	3/4	18.75
4-B-2521	5	6 to 11	50 to 150	2	1	23.00
4-B-2523	6	11 to 25	50 to 200	2 1/2	1 1/4	48.00

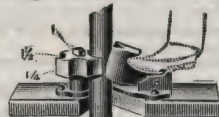
Pump Stock and Dies



4-B-2619. 2 dies and 1 stock. Will cut full threads. Size, inches, 3/8 and 1/2.
Price, each..... \$3.35

Monitor Pipe Holder

4-B-2683. Capacity from 1 to 2 ins. Simple in construction and easily operated. The dog is chill hardened and will not wear. Grips the pipe perfectly and guaranteed not to slip.



Price..... \$5.60

Foot Valves



A combination Foot Valve and Strainer. It is placed on the end of pipe in the bottom of cistern or well and prevents anything passing into the pipe and thereby choking the cylinder. It also serves the purpose of a check valve, keeping water in the pipe and making priming unnecessary.

Number	Size.	Price
21-B-2664.	For 1 in. pipe.....	\$0.53
21-B-2665.	For 1 1/4 in. pipe.....	.61
21-B-2667.	For 1 1/2 in. pipe.....	.78
21-B-2669.	For 2 in. pipe.....	1.05

Galvanized Pump Rod Coupling



To be used in connection with galvanized steel Pump Rod. These couplings are malleable iron heavily galvanized and are threaded.

4-B-2613. Size, 3/8 in., 14 threads to the inch. Price, each..... 5c
4-B-2615. Size, 1/2 in., 14 threads to the inch. Price, each..... 6c
4-B-2617. Size, 3/4 in., 14 threads to the inch. Reducing pump rod coupling. Price, each..... 7c

Water Conductors



21-B-2673. Used to conduct water from spout of pump to tank and are made with a swivel so water can be carried in any direction from the pump. Size, inches. 1 1/4 1 1/2. Price, each 67c 67c

Murdock Lawn Hydrants

4-B-2693. The body of this Hydrant is ornamental and anti-freezing. When shut off, the valve at the bottom drains the body of the Hydrant. This valve can be removed from the top and be repaired without taking up the hydrant.

The tops of these hydrants are well constructed and nicely finished. All parts are made from the very best material and each hydrant is fully guaranteed.

Size, inches... 3/4 3/4 1 1
To set in ground, ft.. 3 4 3 4
Price..... \$5.50 \$6.05 \$6.90 \$7.40



Drive Caps

4-B-2677. Used for driving pipe for Drive Wells. Guaranteed not to crush the thread.

Size, inches.. 1 1/4 1 1/2 2 2 1/2 3 4
Price, each.. 25c 31c 52c \$1.26 \$1.58 \$1.90



Cast Steel Drive Shoes

4-B-2679. These shoes are made of cast special steel and have a recess as shown in illustration, to prevent the pipe from spreading or breaking off at end of threads. They have an inside shoulder to prevent the pipe from being forced through the shoe.

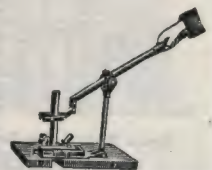
Size	Price Each	Size	Price Each
2 inches.....	\$0.90	4 inches.....	\$2.95
2 1/2 inches.....	1.25	4 1/2 inches.....	4.20
3 inches.....	1.68	5 inches.....	4.75
3 1/2 inches.....	2.80	6 inches.....	7.25



Babcock Pipe Lifter and Holder

4-B-2681. Used by well drillers. It is simple and perfect in its operation, guaranteed not to tear or damage pipe. Handles pipe from 1 to 2 inches inclusive. Approximate weight, 45 pounds.

Price..... \$7.00



Well Wheels



4-B-2576. For use with rope, size, 1/2-inch or smaller. Can also be used with regular well chain. Width of frame, 10 inches. Japanese finish.
Price..... 90c

General Hardware at Big Savings

Premier Warranted Files

Square
Edge
Mill Files

4-B-4501

Length, in. 4 6 8
Price, each. 10c 12c 15c
Length, in. 10 12 14 16
Price, each. 19c 26c 38c 52c



The best cutting and most satisfactory files manufactured. Made of special crucible steel, carefully hardened and tempered.



4-B
-4502 Flat
Bastard
Files

Lgth., ins. 4 5 6
Price, ea. 13c 14c 15c
Lgth., in. 8 10 12 14 16
Pr., ea. 19c 25c 35c 46c 64c

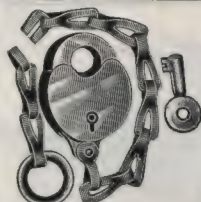


Rural Mail Brass Padlock

Solid hard brass inside works. Will not rust or corrode. Automatic spring shackle. Price includes 2 keys with each lock. One master key for use of mail carrier furnished with each dozen locks.

4-B-3747. Price, each, without chain. 55c

4-B-3749. With 6 inch brass chain. 65c



Bronze Bicycle Lock

Extra strong shackle and bolts, self locking spring shackle furnished with 10-inch nickel plated steel chain, with solid steel ring; 2 keys. A strictly first class lock.

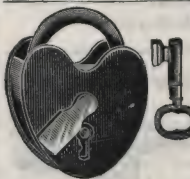
4-B-3745. Price. 45c



6-Lever Wrought Steel

Solid rod steel case heavily brass plated and handsomely finished, six screw levers, all brass inside work; self locking spring shackle; 2 flat steel keys.

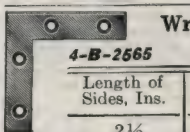
4-B-3739. Price, each. 60c



Steel Lock with Brass Drop

Brass cover key hole, case made of annealed steel, contains no rivets or loose bolts, shackle made of highest quality malleable iron, 2 keys.

4-B-3727. Price, each. 22c



Wrought Steel Flat Corner Iron

4-B-2665

Length of Sides, Ins.	Width Inches	Price per Doz.
2 1/2	1 1/2	22c
3	1 3/4	24c
3	2	29c
4	2 1/4	36c

Less screws.

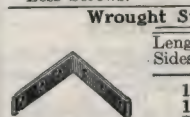


4-B-2666

Wrought Steel Mending Plates

Length, inches	Width, inches	Price, per Doz.
2	5/8	21c
3	3/4	29c
4	7/8	36c

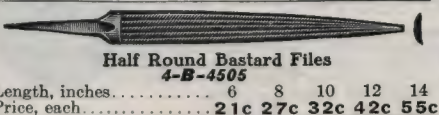
Less Screws.



Wrought Steel Corner Iron

Length of Sides, Ins.	Width, Inches	Price per Doz.
1	1 1/2	15c
1 1/2	1 3/4	19c
2	2	24c
2 1/2	2 1/4	32c
3	2 3/4	39c
4	3	68c

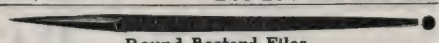
4-B-2667
Less Screws



Half Round Bastard Files

4-B-4505

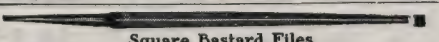
Length, inches. 6 8 10 12 14
Price, each. 21c 27c 32c 42c 55c



Round Bastard Files

4-B-4507

Length, inches. 4 5 6 8 10 12
Price, each. 10c 11c 13c 15c 20c 27c



Square Bastard Files

4-B-4509

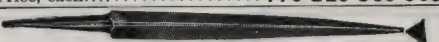
Length, inches. 4 5 6 8 10 12
Price, each. 13c 15c 17c 19c 26c 36c



Mill Files—One Edge Round

4-B-4511

Length, inches. 8 10 12 14
Price, each. 17c 22c 30c 50c



Taper Saw Files—Single Cut

4-B-4513

Length, inches. 3 4 5 6 7 8
Price, each. 7c 7c 9c 12c 15c 19c



Slim Taper Saw Files—Single Cut

4-B-4515

Length, inches. 3 4 5 6 7 8
Price, each. 7c 7c 9c 11c 14c 16c



Cant Saw File

4-B-4517 Length, inches. 5 6 7 8
Price, each. 16c 19c 22c 30c



Half Round Wood Rasp

4-B-4521 Length, inches. 8 10 12 14
Price, each. 40c 47c 70c 90c



Auger Bit File

4-B-4519 Suitable for filing any size auger bit without filing the screw or lip. Will save auger bits. 20c



Huntington Pattern Emery Wheel Dresser

This Emery Wheel Dresser is used for purposes of truing, shaping and removing glaze from emery wheel while running at full speed. This tool will entirely remove glaze thereby causing the emery wheel to grind properly.

4-B-2662. Price, with two sets of cutters. 56c

4-B-2666. Extra cutters, per set. 8c

Hollow Handle Awl Set

4-B-4539. Hollow hardwood handle, 5 inches long, containing 50 ft. best waxed linen shoe thread, 3 awls and 5 needles, assorted sizes.

Price. 80c



Wrought Steel Padlock

Heavily brass plated with self locking spring shackle, 6 screw levers, 2 double fitted barrel keys.

4-B-3757. 33c



8-Lever Rustproof Steel

Heavily brass plated with heavy self locking spring shackle, 6 screw levers, 2 double heated barrel keys and strong durable lock. An exceptional value.

4-B-3755 Price. 70c



Ornamental Steel Lock

4-B-3729 One of our best values, ornamental brass plated steel case, strong spring shackle, self locking with 2 flat steel keys. Price. 31c



3-Lever Brass Padlock

For outside use, heavy spring shackle, self locking, 2 flat steel keys. 4-B-3753. 82c



Solid Steel Padlock

4-B-3725. Stronger and more durable than the old steel rod iron padlock. Case is made of annealed steel, contains no rivets or loose parts. Japan finish polish shackles, with 2 keys. Price, each. 20c



Steel Wire File Cleaner

4-B-4533. Made with steel wire bristles. Price. 27c

Wood File Handles

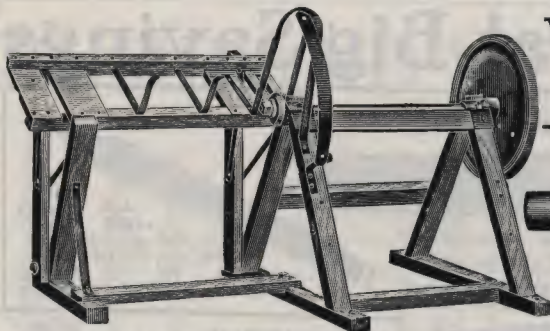
4-B-4537. Furnished in three sizes, large, medium and small. Be sure and give size wanted when ordering. Price, each. 5c



Interchangeable File and Tool Holder

4-B-2668. Will hold files and tools square, round or flat shank, smaller than 3/8 inch. Price, each. 17c





Tilting Table Wood Saw Frame with Pole Extension

Perfectly adapted for sawing either long poles or heavy logs, etc. Right hand frame furnished, unless otherwise specified. Mandrel 1 1/2 inch diameter, turned to fit 1 1/2 inch hole in saw. Fitted with 95 lb. balance wheel. Pulley, 5 inch diameter, 6 inch face. Prices, F. O. B. Cars, factory near Chicago. Weight, 325 lbs. Shipped knocked down.

3-B-490. Frame complete, no saw. Price.....**\$21.15**

TILTING TABLE WOOD SAW FRAME

We furnish the saw frame above without extension tilting table for sawing cordwood and short boards, etc.

3-B-500. Frame, complete, no saw. Price.....**\$19.50**

WOOD SAW FRAMES

Separate Parts



Build them Yourself. Here are the Parts, Mandrels, Balance Wheels, Boxes, Pulleys.

We offer for the convenience of those who wish to build their own saw

frames, the following parts:

3-B-2515. Mandrel, 1 1/2 in. in diameter only. Turned down to fit 1 1/2 inch hole in saw. Weight about 35 lbs. Length 49". Price.....**\$2.45**

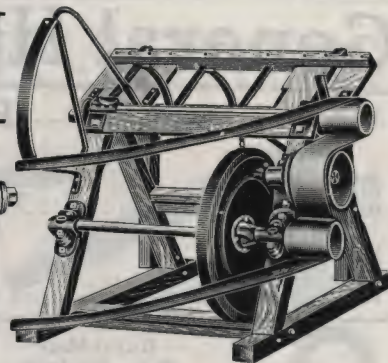
3-B-2517. Babbitted Bearing Boxes, connected. Weight about 35 lbs. Price per set.....**\$3.00**

3-B-2519. Balance Wheel. Weight 95 lbs. Price each.....**\$6.35**

3-B-2521. Belt Pulley, 5 in. in diameter, 6-inch face. Weight 11 lbs. Price.....**\$1.15**

3-B-2523. Consists of Mandrel shaft complete with balance wheel, boxes and belt pulley. Weight 170 lbs. Price.....**\$11.30**

NOTE—When ordering pulley and balance wheel separately, unless otherwise stated, they will be furnished to fit 1 1/2 inch shaft.



Tilting Table Pole Saw Frame

Constructed of fine hardwood. Braced and bolted. Balance wheels on separate shaft, entirely out of the way so that long poles may be sawed. The power is fed direct to saw. Mandrel 1 1/2 inch diameter, turned to fit 1 1/2 inch hole in saw. Pulley 5 inch diameter, 6 inch face. Fitted with 95 lb. balance wheel. Weight, 350 lbs. The prices quoted are F. O. B. factory, near Chicago. Shipped knocked down.

3-B-511. Without saw. Price.....**\$24.70**



4-B-4203

Solid Tooth Cut-Off Saw

Premier Circular Saws

Made of highest grade crucible steel, tough and perfectly tempered. Carefully made in one of America's leading factories. Accurately ground and filed by hand. Fully guaranteed.

Prices of Rip and Cut-Off Saws

Be sure to state diameter, gauge, hole lot No., whether rip or cut-off saw, whether for left or right hand mill.



4-B-4201

Solid Tooth Rip Saw

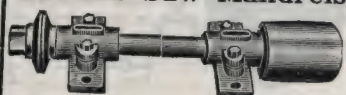
Cord Wood and Pole Saws

4-B-4213. Natural Oil Temper finish. Manufactured by expert mechanics and high grade material. They are ground, hand filed, set and sharpened for the use intended, but are not constructed for high speed works. Any size saw and mandrel hole on saws furnished direct from factory if specified; otherwise we ship saws with 1 1/2 inch mandrel hole.

Diam. Inches	Gauge, No.	Size hole, Inches	Price
20	13	1 3/8	\$2.50
22	12	1 3/8	2.95
24	11	1 3/8	3.45
26	10	1 3/8	4.05
28	10	1 3/8	4.70
30	10	1 3/8	5.40

Diameter	Thickness Gauge	Size Hole	Shipping Weight	Price
6	18	3/4	7 oz.	\$ 1.48
8	18	3/8	1 lb.	1.98
10	16	1	2 1/2 lbs.	2.52
12	15	1	4 lbs.	3.15
14	14	1 1/8	6 lbs.	3.83
16	14	1 1/8	8 lbs.	4.73
18	13	1 1/4	10 lbs.	5.63
20	13	1 1/4	12 lbs.	6.75
22	12	1 1/2	15 lbs.	7.88
24	11	1 3/8	20 lbs.	9.23
26	11	1 3/8	24 lbs.	10.80
28	10	1 1/2	28 lbs.	12.60
30	10	1 1/2	33 lbs.	14.40
32	10	1 3/8	35 lbs.	16.43

Circular Saw Mandrels



Our circular saw mandrels are the highest grade and not to be confused with the so-called "cheap grade plain saw mandrels." Guaranteed to give satisfactory service. Bearings are extra long and made of specially chilled iron and are well babbitted. The shaft is cold rolled steel.

3-B-530. Pulley in center
3-B-531. Pulley on right hand side, with left hand thread.

Size	Diam. Pulley	Face of Pulley	Lgth. Shaft	Diam. Shaft	Hole in Saw	Price Each
0	2	3	16	3/8	3/4	\$3.40
1	2 1/2	3 1/2	16	1/2	1	4.15
2	3	4	19	1/2	1 1/4	4.70
3	3 1/2	4 1/2	21	1/2	1 1/2	6.75
4	4	5	24	1/2	1 3/4	8.10
5	4 1/2	5 1/2	26	1/2	1 3/4	9.30
6	5	6	28	1/2	1 3/4	9.90
7	5 1/2	6 1/2	30	1/2	1 3/4	10.20
8	6	7	32	1/2	1 3/4	10.95
9	7	8	37	1 1/4	1 3/4	13.60
10	8	9	41	1 1/2	1 3/4	17.10
11	9	10	41	2 1/4	2	21.70

Inserted Tooth Saws

4-B-4205. The mandrel holes on the rough plates are 2 inches in diameter, with 2 1/2 inch pin holes spaced 3 inch, center to center. When ordering be sure to state number of teeth wanted, diameter, gauge at center and at rim, horsepower of engine, r. p. m., while cutting, rip or cross-cut, right or left hand mill. No cancellation of order. One full set of extra Teeth, two Shanks and one Wrench furnished with each saw. Can furnish one gauge heavier or lighter, for same price.

Diam. Ins.	Gauge	Size of Hole, Ins.	No. of Teeth	Price, Each
40	8	2	26	\$ 81.50
42	8	2	28	87.50
44	8	2	30	96.00
46	8	2	32	104.00
48	8	2	34	116.50
50	8	2	36	128.00
52	7	2	38	142.50
54	7	2	40	160.50
56	7	2	42	180.50
58	7	2	44	198.00
60	7	2	46	218.50

Prices of steel bits, extra holders for points and inserted tool wrench on request.



Band Saw Blades

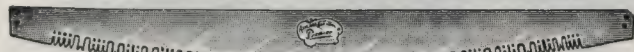
4-B-4427. Made from special tool steel, they are extra flexible and made to stand hard usage.

With. Ins.	No. Gauge	10	12	14	16	18	20
1/4	21 or 22	\$2.20	\$2.64	\$3.08	\$3.52	\$3.96	\$4.40
3/8	21 or 22	2.50	3.00	3.50	4.00	4.50	5.00
1/2	21 or 22	2.80	3.36	3.92	4.48	5.04	5.60
3/4	21 or 22	3.50	4.20	4.90	5.60	6.30	7.00
1	21 or 22	3.80	4.56	5.32	6.08	6.84	7.60
	20 or 19	4.80	5.76	6.72	7.68	8.64	9.60

Cross Cut Saws

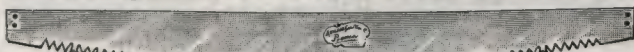
Made of High Grade Special Saw Steel, unequalled in material, workmanship and temper. Premier Cross-Cut Saws are accurately ground, filed and hand set. Each saw is closely inspected and tested at the factory before shipment. They are the fastest cutting and easiest running saws manufactured. All saws are sharpened, ready for use. We guarantee every saw to give perfect satisfaction or money refunded.

Perforated Lance Tooth Cross Cut Saw



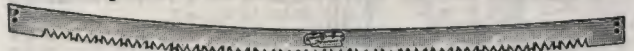
4-B-4101. A general favorite with the lumbermen. Thin back, ground 4 gauges thinner on back than on cutting edge. An easy and fast cutter. Will not bind in the timber. Each saw most carefully tempered, filed and hand set. Guaranteed fully in every particular. Prices do not include handles.
Length, feet..... 5 5½ 6 6½ 7
Price..... \$2.70 \$2.97 \$3.24 \$3.51 \$3.78

Champion Tooth Wide Cross Cut Saw



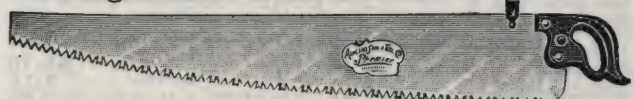
4-B-4103. Taper ground, thin back, set and sharpened. A strictly first class saw, fully warranted. Prices do not include handles.
Length, feet..... 5 5½ 6 6½ 7
Price..... \$2.31 \$2.55 \$2.77 \$3.00 \$3.23

Champion Tooth Narrow Cross Cut Saw



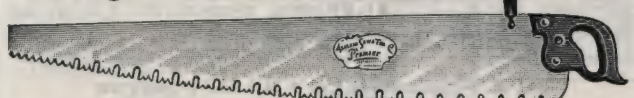
4-B-4105. Properly tempered, set and sharpened. Each saw fully warranted. Prices do not include handles.
Length, feet..... 5 5½ 6 6½ 7
Price..... \$1.35 \$1.48 \$1.62 \$1.77

Champion Tooth One Man Straight Back Cross Cut Saw



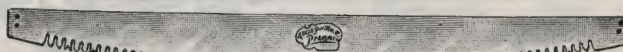
4-B-4107. Ground two gauges thinner on back than on cutting edge. Fitted with supplementary handle. You cannot buy a better saw at any price. Guaranteed to give entire satisfaction.
Length, feet..... 3 3½ 4 4½ 5
Price..... \$1.70 \$2.00 \$2.27 \$2.55 \$2.85

American Tooth One Man Straight Back Cross Cut Saw



4-B-4109. Taper ground, thin back. Hand set and filed. A good cutting saw that will give excellent service. Fully warranted.
Length, feet..... 3 3½ 4 4½ 5
Price..... \$1.74 \$2.03 \$2.32 \$2.61 \$2.90

Diamond Tooth Cross Cut Saw



4-B-4129. Ground to a true taper. 4 gauges thinner on back than on cutting edge. Prices do not include handles. Fully warranted.
Length, feet..... 5 5½ 6 6½ 7
Price..... \$2.68 \$2.95 \$3.22 \$3.50 \$3.75

Plain Tooth Cross Cut Saw



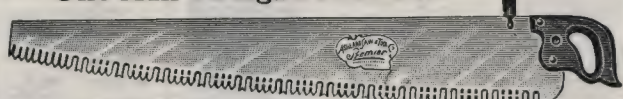
4-B-4131. Taper ground, thin back. Fully warranted. Prices do not include handles.
Length, feet..... 5 5½ 6 6½ 7
Price..... \$2.30 \$2.56 \$2.78 \$3.03 \$3.25

Champion Tooth Felling Saw



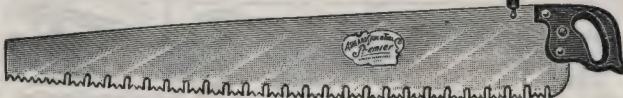
4-B-4133. The best felling saw made. Fully warranted. Prices do not include handles.
Length, feet..... 5 5½ 6 6½ 7
Price..... \$2.32 \$2.57 \$2.80 \$3.05 \$3.27

Perforated Lance Tooth Cross Cut One Man Straight Back Saw



4-B-4135. Ground four gauges thinner on back than on cutting edge. The most popular and fastest cutting saw manufactured. Fully warranted.
Length, feet..... 3 3½ 4 4½ 5
Price..... \$1.96 \$2.28 \$2.60 \$2.92 \$3.26

American Tooth One Man Skew Back Cross Cut Saw



4-B-4137. Taper ground, thin back, properly tempered and hand set and filed.
Length, feet..... 3 3½ 4 4½ 5
Price..... \$1.80 \$2.10 \$2.40 \$2.70 \$3.00

One Man Cross Cut Saw Handles
4-B-4143. Selected beechwood. Varnished Edges. Without serews. Price..... **20c**
4-B-4145. Supplementary handles, with rivet. Each..... **25c**

Steel Ice Tongs
4-B-4147. Drop Forged Steel. Constructed in a superior manner and will handle 200 pounds..... **\$1.45**

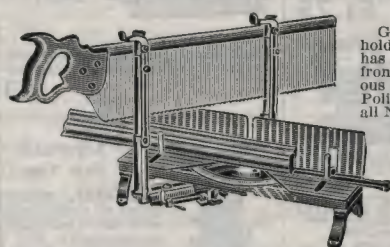
Whiting Pattern Saw Set
4-B-4125. Highest grade steel, properly tempered. Price, each..... **60c**

4-B-4151. Reversible Pattern. Per pair... **35c**

4-B-4149. Loop Pattern. For two-man cross-cut saw. Per pair..... **32c**

Buck Saws 95c
4-B-4111. Selected hardwood frame. Painted red. With tinned rod, blued clock spring blade, 2¼ inches wide, properly tempered. "V" shaped teeth, set and sharpened, ready for use. Fully warranted. Price..... **95c**
4-B-4113. Extra blades. Price, each..... **50c**

Langdon Acme Mitre Boxes



Guides are long; hold the saw steady; has a graded arc in front with the various degrees marked. Polished parts are all Nickel Plated. A high grade guaranteed saw furnished Size No. 1, capacity at right angles 7½, capacity at the Miters 5 inches. Size No. 2, 2½ capacity, at right angles 10¼ inches, at Miter 7 inches.
4-B-4901. Size No. 1 with 24x4 inch saw..... **\$16.70**
4-B-4903. Size No. 2 with 26x4 inch saw..... **18.75**
4-B-4905. Size No. 2½ with 28x5 saw..... **20.70**
4-B-4907. Size No. 2½ with 30x5 saw..... **21.45**

Hand Ice Saw
4-B-4139. For wagon use. Extra crucible steel blade, fitted with iron handles. Each saw is properly tempered and fully guaranteed. Length, in. 24 28 30
Price, each **\$1.25 \$1.35 \$1.45 \$1.55**

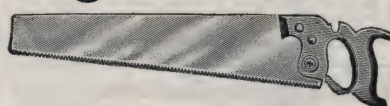
Pond Ice Saw
4-B-4141. Superior quality. Made of the best crucible saw steel, properly tempered, tapering, 7 inches at the butt and 5 inches wide at the point. Fully warranted. Length, feet..... 4 4½ 5
Price, complete with tiller handle... **\$3.50 \$3.80 \$4.15**

Adjustable Bench Stop
4-B-4153. Instantly adjustable to any position. Reversible head can be raised 2 inches above bench. Price..... **88c**

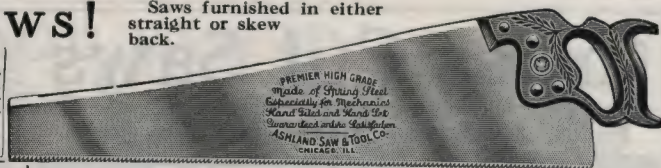
Adjustable Bench Stop
4-B-4127. Reversible screw adjustment. Cast steel head. May be raised by means of adjusting screw. Price..... **75c**

High Grade Hand Saws!

Saws furnished in either straight or skew back.



Nail Cutting Saw
4-B-4835. Will cut nails, pipes, bolts, soft sheet metal. Can be filed but does not require setting, being taper concave ground.
 Length of blade, 18 inches. Price,.... **\$2.45**



PREMIER HIGH GRADE
 Made of Spring Steel
 Capabilities for Mechanics
 Hand Filed and Hand Set
 Saws and other tools
 CHICAGO SAW & TOOL CO.
 CHICAGO, ILL.

Jennings' Saw Kit



4-B-4837. Consists of one 14-inch nail cutting, one 14-inch compass blade, one 12-inch keyhole blade. Adjustable handle. Blades interchangeable. Price,.... **\$2.15**

Best Compass Saw



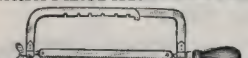
4-B-4815. Thin back evenly tempered. Full bevel, filed and set. Beechwood handle, two screws.
 Length, inches..... 12 14 16
 Price..... **45c 50c 60c**

Rigid Hack Saw Frame



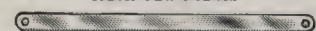
4-B-4953. Heavy steel nickel plated frame, adjustable to take blade from 6 to 12 inches. Price, with one 10-inch blade..... **\$1.75**

Nickel Plated Hack Saw Frame



4-B-4935. Adjustable for blade at four angles, takes blades 8 to 12 inches. Price, each, complete with one 8-inch blade..... **39c**

Hack Saw Blades



Fast cutting Hack Saw Blade, made of special high carbon steel, properly tempered and are guaranteed to give first-class satisfaction. Suitable for cutting tool steel and other metals.
4-B-4937. Length, ins., 8 9 10 12
 Price, per dozen..... **40c 45c 63c 75c**

Nest of Saws



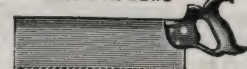
4-B-4839. Consisting of one 14-inch panel saw, one 14-inch compass saw, one 12-inch keyhole saw. All interchangeable. Price..... **\$1.05**

Common Compass Saw



4-B-4813. Made of good grade cast steel. Spring tempered, filed and set. Beechwood handles.
 Length, inches..... 12 14
 Price..... **20c 22c**

Miter Box Saws



4-B-4913. Made from high grade tool steel, hand filed, set ready for use, heavy back. Width of blade under back, 4 inches.
 Length, in..... 22 24 28
 Price, each..... **\$2.85 \$3.05 \$3.45**

Steel Frame Coping Saw

4-B-4817. Nickel-plated steel frame. Depth of cut, 4 inches. Complete with 13 6-inch tempered steel blades. Price..... **20c**

Handy Kit of Tools



4-B-4931. Consisting of keyhole saw and pad, chisel, screw driver, two wrenches, awl, bit handle. Per set..... **9c**

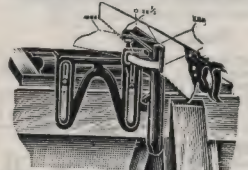


Morrell's Saw Set
4-B-4919. Morrell's saw set for hand buck board and jig saw has hardened steel anvil plunger. Price..... **60c**

Improved Anvil Saw Set
4-B-4921. The anvil and plunger are hardened. The spring is of tempered steel, polished nickel-plated finish; weight, 10 ounces. Price, each..... **90c**

Revolving Saw Set
4-B-4923. Shows the required bevel and length of all saws ranging from 4 to 16 teeth to the inch. Figure on dial indicates number of teeth to the inch and always in sight. Price..... **\$1.25**

Seavey Miter Box and Saw Guide



4-B-4911. Adjustable to cut square or at an angle of 22½, 30 and 45 degrees. Panel or hand saw may be used with this guide. Price, without saw..... **\$2.80**

Adjustable Saw Filing Guide



4-B-4947. Used for filing saws with any style bench vise, can always be used in connection with the regular saw vise, adjustable to file at any angle any bevel and exact depth. Japanese finish. Price, complete, with file..... **\$1.75**



Saw Filing Guide and Vise

4-B-4949. The ball and socket which connect the clamp to the vise permit the clamp to be turned in either direction. Jaws are 10½ inches rubber faced, which hold the saw firmly. Price..... **\$2.90**

Perfection Pattern Miter Box

4-B-4909. A strong, serviceable, miter box. Saw guide can instantly be set at angle 22½, 30 and 45 degrees. Back saw, panel or hand saw can be used. Weight, 9 pounds. Price..... **\$10.00**

Beechwood Saw Handles

4-B-4819. For hand and rip saws. Price, each..... **30c**
4-B-4821. For panel saws. Each..... **19c**



Brass Saw Handle Screws

4-B-4841. Each..... **4c**

4-B-4843. Each..... **6c**



The blades are of special refined spring steel, perfectly tempered, full taper ground, thin back. The teeth are full beveled, hand filed and hand set and will hold a fast cutting edge. The handles are correct in shape, giving the proper hang. 26 and 28 inch saws have five brass screws and the smaller sizes have four.

4-B-4823. Premier extra high grade skew back, panel or hand saws.
 Length Points to the inch Each
 18 in. panel. 9, 10, 11 or 12..... **\$2.00**
 20 in. panel. 9, 10, 11 or 12..... **2.10**
 22 in. panel. 9, 10, 11 or 12..... **2.20**
 24 in. hand. 8, 9, 10 or 11..... **2.30**
 26 in. hand. 7, 8, 9, 10 or 11..... **2.45**
 28 in. hand. 6, 7 or 8..... **2.75**

4-B-4825. Skew back Premier extra high grade rip saws.
 Length Points to the inch Each
 24 in. 5, 5½, 6 or 6½..... **\$2.30**
 26 in. 5, 5½ or 6..... **2.45**
 28 in. 4, 4½, 5, 5½ or 6..... **2.75**

Premier Hand Saws

Premier Saws are hand made, hand smithed, hand blocked, hand filed and hand set. Every detail in the manufacture is perfect.

4-B-4801. Premier extra high grade straight back, panel or hand saws.
 Length Points to the inch Each
 18 in. panel. 9, 10, 11 or 12..... **\$2.00**
 20 in. panel. 9, 10, 11 or 12..... **2.10**
 22 in. panel. 9, 10, 11 or 12..... **2.20**
 24 in. hand. 8, 9, 10 or 11..... **2.30**
 26 in. hand. 7, 8, 9, 10 or 11..... **2.45**
 28 in. hand. 6, 7 or 8..... **2.75**

4-B-4803. Premier extra high grade straight back, rip saws.
 Length Points to the inch Each
 24 in. 5, 5½, 6 or 6½..... **\$2.30**
 26 in. 5, 5½ or 6..... **2.45**
 28 in. 4, 4½, 5, 5½ or 6..... **2.75**
 30 in. 4½ or 5..... **3.00**

"Chicago Special" Hand Saws

The best general purpose saw ever offered. Made of high grade crucible saw steel, smithed and blocked by hand. Full taper ground, thin back. Teeth are full beveled, hand filed and hand set.

4-B-4805. Chicago Special panel or hand saws.
 Length Points to the inch Each
 18 in. panel. 9, 10, 11 or 12..... **\$1.80**
 20 in. panel. 9, 10, 11 or 12..... **1.90**
 22 in. panel. 9, 10, 11 or 12..... **2.00**
 24 in. hand. 8, 9, 10 or 11..... **2.10**
 26 in. hand. 7, 8, 9, 10 or 11..... **2.15**
 28 in. hand. 6, 7 or 8..... **2.40**

4-B-4807. Chicago Special rip saws.
 Length Points to the inch Each
 24 in. 5, 5½, 6 or 6½..... **\$2.10**
 26 in. 5, 5½ or 6..... **2.15**
 28 in. 4, 4½, 5, 5½ or 6..... **2.40**

Favorite Hand Saws

Made of good grade saw steel, set sharpened and ready for use. Hardwood handle, brass screws.

4-B-4809. Favorite panel or hand saws.
 Length Points to the inch Each
 22 in. panel. 10 or 12..... **\$1.20**
 24 in. hand. 8, 9 or 10..... **1.20**
 26 in. hand. 8, 9 or 10..... **1.40**

4-B-4811. Favorite rip saws.
 Length Points to the inch Each
 26 in. 5½ or 6..... **\$1.40**
 28 in. 5, 5½ or 6..... **1.60**

C. E. Jennings & Co.'s No. 70½ Narrow Blade Hand Saws

Ground thin on back and guaranteed to run without set.

4-B-4827. Jennings' No. 70½ panel or hand saws.
 Length Points to the inch Each
 22 in. panel. 10, 11 or 12..... **\$3.35**
 24 in. hand. 8, 9 or 10..... **3.45**
 26 in. hand. 7, 8, 9 or 10..... **3.75**

4-B-4829. Jennings' No. 70½ rip saws.
 Length Points to the inch Each
 26 in. 5 or 6..... **\$3.75**
 28 in. 4½, 5, or 5½..... **4.00**

Genuine Henry Disston Hand Saws

Disston "D" 8 hand hammered Saws. The best known popular brand saw on the market. Spring steel patent ground and tempered. Skew back, applewood handle.

4-B-4831. 26 in. Hand saw 8, 9 or 10 points. Price..... **\$3.90**

4-B-4833. 28 in. Rip Saw, 5 or 5½ points. Price..... **\$4.25**



Cross Cut Saw Tool

4-B-4945. Cross cut saw filer jointer tooth gauge cutting block, a tool that keeps cross cut saws in perfect condition. Price, with file and directions..... **38c**

Saw Jointer and Skate Sharpener



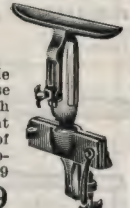
4-B-4917. Adjustable to any thickness, saw blade can be used with any file. Price, each..... **50c**



Adjustable Saw Vise

4-B-4925. For attachment to work bench this vise has a malleable iron screw clamp and lever and cam to hold it in position. Width of jaws, 9½ inches. Japanese finish. Weight, ½ pounds. Price..... **\$1.00**

Ball and Socket Saw Vise



4-B-4941. The reliable ball and socket saw vise is adjustable with bench clamp and can be set at any angle. Length of jaws, 9½ inches. Japanese finish. Weight, 9 pounds. Price, each..... **\$1.59**

Dependable Tools

Strictly first quality, guaranteed to be perfect in material, workmanship and finish, and to give absolute satisfaction. Especially adapted for mechanics' use; forged from high grade steel, carefully tempered. Handles are selected white hickory, properly balanced and shaped.



4-B-5003. Premier claw Hatchet.

Size	W'th of Bit, In.	Wt. Oz.	Price
2	3 3/4	25	\$1.55

4-B-5001. Premier Shingling Hatchets.

Size	1	2	3
Width of Bit, In.	3 1/4	3 3/4	4 1/4
Wt.	17	23	29
Oz.	1.25	1.30	1.37

4-B-5007. Premier High Grade Lathing Hatchets.

No.	In.	Wt. oz.	Price
Size 12 1/2	14	\$1.25	
Size 22 1/2	17	1.30	

4-B-5011. Premier Special Bell Poll Shingling Hatchet.

Size	..... 1
Width of Bit, .3 in.	
Weight, 17 oz.	
Price, \$1.60	

4-B-5029. Premier Special Underhill Lathing Hatchet.

Size	..... 2
Wd. of Bit 2 1/2 in.	
Weight, 17 oz.	
Price, \$2.35	

4-B-5013. Premier Bell Poll Hatchet.

Size	2
Wd. of Bit 2 1/2 in.	
Weight, 17 oz.	
Price, \$1.50	

4-B-5009. Premier Broad Hatchet.

No.	In.	Wt.	Price
2 1/2	1 1/2	\$1.75	
3 1/2	2 1/2	2.00	
4 1/2	3 1/2	2.20	
5 1/2	4 1/2	2.40	

Broadaxes



4-B-5127. Round corner Can-ada pattern Broadaxes.

Wt., lbs.	6	7	7 1/2	8
Wt., cut.	10 1/4	11 1/4	12	12 1/4
In.	\$6.36	6.66	6.90	7.02

Carpenters' Adzes



4-B-5025. Forged from high grade steel. Has fine cutting edge, properly tempered. Handles not included.

Weight	Width	Cut
Lbs. 3 1/4	3 1/4	3 3/4
In. 3 1/4	4	4 1/4
Price	\$1.80	\$1.80

Cast Steel



4-B-5019. Strictly first class steel hammer. Will give good service. Nicely finished and fitted with selected hardwood handle. Weight, 16 oz.

Price 37c
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Holding Hammer



4-B-5035. With groove on side to hold nails size 10 penny and smaller. Made of the highest crucible steel and properly tempered. Second growth hickory handles properly fitted and wedged to head. Fully guaranteed. Weight, 19 ounces, not including handles.

Price \$1.67
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Bell Face



4-B-5037. Made of high grade crucible steel, properly tempered, with second growth hickory handle, properly fitted and wedged to head. Every hammer fully guaranteed.

Weight	20 oz.	16 oz.	13 oz.	7 oz.
Price	\$1.15	\$1.10	\$1.05	\$1.00

Nail Hammer



4-B-5033. Forged from extra tool steel, carefully tempered. Octagon poll, full nickel plated finish. Carefully selected handles.

Size	1	1 1/2
Wt., not including handle, lbs.	1 1/4	1
Price	\$1.60	\$1.55

Ever Ready Handled Axes



4-B-5115. Ever Ready axes are carefully forged, properly shaped and finished in a superior manner. Handles are hickory stained, properly fitted to axe. A better axe at a lower price than ever before offered. Each and every axe guaranteed.

Weight	..... 3 lbs.	3 1/2 lbs.	4 lbs.	4 1/2 lbs.
Price	\$2.20	\$2.25	\$2.30	\$2.35

Single Bit Axes



4-B-5111. The best axe offered for all ordinary purposes. Forged from good grade of steel. Natural Michi-gan pat-tern.

Weight	Price
3 1/2 lbs.	\$1.68
4 lbs.	1.74
4 1/2 lbs.	1.80
5 lbs.	1.86
5 1/2 lbs.	1.92

Double Bit Axes



4-B-5117. Strictly hand forged and properly proportioned. Bits are double refined crucible steel. Natural Michi-gan pat-tern.

Weight	Price
3 1/2 lbs.	\$2.34
4 lbs.	2.40
4 1/2 lbs.	2.46
5 lbs.	2.52

Woodchop-pers' Wedges

4-B-5129. Regular pattern made from high grade steel, oil finished.

Wt., lbs.	4	5
Price	35c	43c

Malleable Iron Axe Wedge

4-B-5121. Made with a screw, which prevents handle from pulling out.

Price, each 3c
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Truckers Pattern Woodchop-pers' Wedge

4-B-5131. Made of the highest grade crucible steel, oil finished.

Wt., lbs.	4	5
Price	40c	57c
	6	76c

Saw Wedges



4-B-5133. Tool steel, oil finished.

Wt., lbs.	1 1/2
Price	27c

Adjustable Plane Gauge



4-B-5279. For Planing Bevels of any angle or square joints, without use of a tri-square or bevel. Can be quickly attached or removed.

Price \$1.10
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Oregon Pattern Mauls



4-B-5135. Wt. Lbs. Price

5	\$0.77
6	79c
7	92c
8	1.03

Iron Block Planes



4-B-5273. Double End Iron Block Plane. With two slots and two seats for cutter. Length, 8 inches, 1 1/4 inch cutter.

Price \$1.20
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4-B-5313. Selected beechwood Fore Plane. Handles, Price, each

Price, each 18c
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4-B-5265. Iron Block Plane. 5 1/2 inches long, 1 1/4 inch cutter.

Price 60c
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4-B-5267. Iron Block Plane. 7 inches long, 1 1/4 inch cutter.

Price 84c
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Jack Plane



The castings are made of special gray iron. The bottoms of the planes are smooth. The cutters are made of the highest grade steel. Fitted with an adjusting lever. Handles and knobs are genuine mahogany. Smooth bottom iron jack plane 14 inches long, 2-inch cutter.

4-B-5260	..... \$3.00
4-B-5262	Corrugated bottom..... \$3.10

Iron Block Planes



4-B-5311. Adjustable iron smooth plane, 9 inches long, 2-inch cutter.

Price, each 12c
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4-B-5201. Smooth bottom. Price, \$2.50

4-B-5203. Corrugated bottom. Price, \$2.60



4-B-5277. Knuckle Joint Improved Throat Adjuster. 6 1/2 inches long, 1 1/4 inch cutter.

Price \$1.85
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4-B-5271. Adjustable Block Plane. 7 inches long, 1 1/4 inch cutter. Price, \$1.25

Socket Corner Chisel



4-B-5617. Properly tempered; selected Hickory handles, with iron ring on end to prevent splitting.

Size, inches	..... 3/4
Price, each	80c

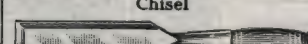
Plain Edge Chisel



4-B-5607. Made of special high grade steel, carefully tempered. Handles White Hickory, leather tips.

Size, inches	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2
Price, each	40c	41c	42c	43c	45c	46c	51c	52c	56c
									59c
									75c
									89c

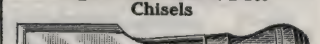
Beveled Edge Socket Framing Chisel



4-B-5609. Crucible Steel; tempered. Hickory handle with iron rings.

Inch	..... 3/4
Each	60c
	62c
	65c
	72c
1 1/4	1 1/2
1 3/4	1 1/2
2	1 1/2
Each	\$0.79
	\$0.90
	\$1.07
	\$1.15

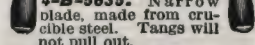
High Grade Socket Butt Chisels



Length of blade, about 3 1/2 inches. Leather tip; solid Hickory handle.

Length, in.	1	1 1/4	1 1/2	1 3/4	2
Price, each	55c	58c	60c	75c	80c

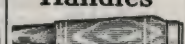
Coach Makers' Knives



4-B-5635. Narrow blade, made from crucible steel. Tangs will not pull out.

Size, inches	Price, Each
8	\$1.40
10	1.65
12	1.90

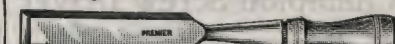
Chisel Handles



4-B-5643. Selected hickory, with iron rings on end to prevent splitting.

Price, each 6c
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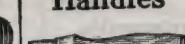
High Grade Beveled Edge Leather Tip Socket Firmer Chisel



4-B-5601. Made of the best steel. Handles are of select White Hickory, leather tip.

Size, inches	..... 3/4
Price, each	45c
	46c
	47c
	48c
	50c
	51c
	57c
	58c
	62c
	65c
	69c
	86c

Chisel Handles



4-B-5625. Selected hickory, 3 layers, best oak tan leather.

Price, each 7c
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Drawing Knives



4-B-5651. Made from a high grade crucible steel, properly ground and tempered. Tangs will not pull out.

Length, in.	8	10	12
Price, each	\$1.20	\$1.30	\$1.60

Ball Bearing Ratchet Bit Brace

4-B-5331. Best ratchet brace. It has solid steel chucks. Hardened jaws. Will hold any size shank, 1/2 - inch steelsweep nickel-plated ball bearing head, polished cocobola head and handle, steel enclosed frame.

4-B-5323 Satisfactory brace. 1/4 inch cold drawn steel sweep, natural finish. Nicely polished head and handle.

Sweep	Price
8 inches.....	75c
10 inches.....	80c

Sweep, in inches	Price
8	\$4.10
10	\$4.30

Ship Auger Bits

4-B-5449. For boring hardwoods and end boring. Made of double refined steel, finely finished. Have 4 to 6 inch twists.

Size, inches	Price, each
1/4	30c
3/8	36c
1/2	45c
3/4	55c
1	57c

Car Bits

4-B-5451. For boring heavy timbers. Length of twist, 12 inches.

Size, inches	Price, each
1/4	31c
3/8	33c
1/2	35c
3/4	37c
1	39c
1 1/4	43c
1 1/2	55c
1 3/4	60c
2	65c
2 1/2	70c
3	75c

Countershank Gauge Bit

4-B-5533 To regulate depth of cut. For wood only. High grade tool steel. Fully warranted. Price, each..... **32c**

Goodell's Ratchet Screw Driver

4-B-5557 Blades, dogs and spring made of a high grade tool steel. The ratchet teeth are deeply cut. Changes from right to left are made by simply turning the knurled ferrule. Length, blade, inches..... 4 5 6 8 10 Price, each..... 90c 97c \$1.00 \$1.10 \$1.25

Pratt's Ratchet Drill

4-B-5341 Used as an auger handle in horizontal position. For use in close places. One handle can be removed and placed at right angles. Can also be used as a ratchet drill. Price, each..... **\$3.25**

Indestructible Square Shank Screwdriver

4-B-5543 Squareshank for use with wrench. Blade, shank and head are forged from a solid piece of high grade tool steel. Handles hardwood. Length of blade, inches..... 3 4 6 8 10 Size, sq. shank, inches..... 1/4 1/2 3/4 1 1 1/4 Price, each..... 21c 27c 37c 49c 61c

Square Reamer Bits

4-B-5537. Cast steel, properly tempered and ground. Price..... **22c**

Goodell's Automatic Interchangeable Screwdriver

4-B-5549 Can be used as a spiral reamer or plain screwdriver. Furnished with three forged steel bits. Hardwood handle. Length extended 14 inches. Length, closed 7 1/2 inches. Price..... **\$1.60**

Goodell's Reversible Interchangeable Screwdriver

4-B-5551 With two distinct spirals. Hardwood handle, furnished with three forged steel bits; length extended, 16 1/2 inches; length closed, 9 inches. Price..... **\$2.25**

Jennings' Extension Lip Bits

4-B-5433. Jennings' Solid Center Extension Lip Auger Bits. Solid Center Auger Bits. Hand forged from double refined crucible steel, full length of twist.

Size, inches	Price, each
1/4	47c
3/8	49c
1/2	50c
3/4	52c
1	55c
1 1/4	57c
1 1/2	60c
1 3/4	67c
2	70c
2 1/4	78c
2 1/2	80c
2 3/4	89c
3	90c

4-B-5425. Best Jennings' Pattern Extension Lip Auger Bit. Properly tempered, full length of twist. Lips are carefully forged and sharpened.

Size, inches	Price, each
1/4	39c
3/8	40c
1/2	41c
3/4	42c
1	45c
1 1/4	47c
1 1/2	50c
1 3/4	55c
2	57c
2 1/4	64c
2 1/2	65c
2 3/4	72c
3	75c

4-B-5441. For rapid and easy boring in the toughest hardwoods. Tempered and finished in the finest manner.

Size, inches	Price, each
1/4	49c
3/8	51c
1/2	52c
3/4	54c
1	56c
1 1/4	59c
1 1/2	62c
1 3/4	69c
2	72c
2 1/4	80c
2 1/2	82c
2 3/4	91c
3	92c

Ratchet Brace

4-B-5537. Ball bearing dust-proof head. Machine made thruout. Cold drawn steel sweep. All metal parts highly polished and heavily nickel plated and nicely finished throughout. Cocobola head and handle with improved metal capped head. Forged alligator spring jaws. Will take square or round shank drills.

Sweep, inches	Price
8	\$3.75
10	\$3.80
12	\$3.95

Clark's Expansion Bits

4-B-5509. Small size Clark's Pattern Expansion Bit. With two cutters, one boring from 1/2 to 3/4 in., the other from 1/2 to 1 1/2 in. Price... **\$1.35**

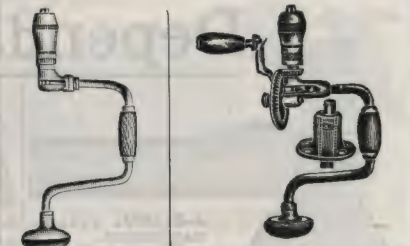
4-B-5511. Large size Clark's Pattern Expansion Bit. With two cutters, one boring from 1/2 to 1 1/2 in., the other from 1 1/2 to 3 ins. Price... **\$1.95**

Brace and Bit Set

4-B-5343. A first class outfit that will answer all general requirements for farm, shop and mechanics' use, consisting of one 10 inch nickel-plated ratchet brace with alligator jaws; 8 Jennings' pattern extension lip auger bits, sizes 1/4 to 1 inch; 3 bit stock drills; 3 German pattern gimlet bits; 1 screw driver bit; 1 countersink and 1 square reamer. Put up in a neat hardwood box. Price, per set..... **\$9.95**

Champion Screw Driver

4-B-5545. Blades are forged from the highest grade steel, properly tempered and fastened securely in handle. Selected hardwood handle, cherry finish. Length of blade, inches..... 3 4 5 6 8 10 Price, each..... 27c 28c 30c 35c 45c 56c



4-B-5329. Ratchet brace. Metal chad head, cold drawn steel sweep. Ebonized hardwood head and handle. Nickel plated.

4-B-5315. Ball bearing head and forged steel jaws. Will hold straight, round shank drills. By removing the hand drill attachment you have a fine ball bearing ratchet brace 10 in. sweep. Nickel plated.

Sweep	Price
10 inches.....	\$2.85
12 inches.....	2.95

Ratchet Brace and Drill Price..... **\$6.25**

Common Auger Bits

4-B-5401. Spur Standard.

Size, inches	Price, each
1/4	27c
3/8	28c
1/2	29c
3/4	30c
1	31c
1 1/4	36c
1 1/2	37c
1 3/4	38c
2	40c
2 1/4	44c
2 1/2	45c
2 3/4	50c
3	53c

Countershank & Dowel Pointer

4-B-5523 Reversible head. Can be used for sharpening pins or dowels. Cutter made of high grade tool steel. Price, each..... **15c**

4-B-5541 The only screw driver that can be used as a hammer, to force point of screw into the wood. The blade, bolster handle, flattened hammer hand are drop forged from one piece of steel.

Length of blade, inches	Price, each
4	29c
6	40c
8	54c
10	68c

Hand Drill

4-B-5457 Strong Malleable frame. Steel spindle, cut gears and hollow cut cocobola handle containing 8 drill points, 1/4 to 1 1/4 inch. A strong, durable tool, nicely finished. Length 10 1/2 inches. Price, including 8 drill bits..... **\$2.85**

Breast Drill

4-B-5333. Ball bearing with level attachment. 6 inch drive wheel. Drills from 1/4 to 1 1/2 inch. Price..... **\$5.75**

Ball Bearing Breast Drill

4-B-5317 Malleable frame changeable gear from even to speeded about 3 to 1 with level attachments. Drill bits up to 3 inches. Price..... **\$4.50**

Plane Irons

Made of high grade steel. All double irons have steel caps.

4-B-5301. All iron and wood bottom planes. Single Irons.

Width, in inches	Price
2	25c
2 1/4	27c
2 3/4	32c
2 3/4	35c

Screw Driver Bits

4-B-5525. High grade tempered crucible steel.

Size	Price
Sm. Med. Lge. Ex.	17c 18c 19c 20c

German Gimlet Bits

4-B-5559. Special high grade steel, properly tempered. Size, 2-32; 3-32; 4-32; 5-32; 6-32; 7-32; 8-32; 10-32. State size. Any size, each..... **14c**

Champion Screw Driver

4-B-5547. High grade crucible steel. Selected hardwood handles, steel ferrules.

Length blade, inches	Price, each
10	20c
12	49c

Carpenters' Squares

4-B-5703. No. 100-C. Copper finished steel square, heavily copper plated, practically rust-proof; hardened steel corners, figures and graduations are white enamel and stand out clear and distinct. Size of body, 24x2 inches; size of tongue, 16x1 1/2 inches; face marked 1-16, 1/8 and 1/4 inch spaces; back marked 1-100, 1-32, 1-2, 1-10 and 1-4 inch spaces. Has Essex board measure, eight square and brace measure, fully warranted. Price..... **\$2.50**

Nicholls Take-Down Square

Nicholls take-down square. What every mechanic has long desired. Occupies space 4x24 inches and is absolutely accurate and thoroughly practical. Tongue and groove is accurately milled to fit tight and make a perfectly true joint. Has no bolts or screws to become loose or lost. The spring takes up any wear. Long bearings in grooves combined with the square shoulders insure an accurate fit. Size of body, 24x2 inches. Size of tongue, 16x1 1/2 inches. Face marked 1-16 and 1-4 inch spaces; back marked 1-12 and 1-4 inch spaces. Has Essex board measure and brace measure. Figures and graduations are deep and plainly marked. Fully warranted.

4-B-5725. Blued finish with canvas case. Price..... **\$4.20**

4-B-5727. Polished finish with canvas case. Price..... **\$3.50**

Oxidized Copper Finish Squares



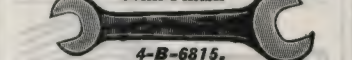
4-B-5701. No. 100 R. O. C. Oxidized copper finished square. The graduations and figures are white enamel. Rust-resisting finish. Has hardened corners. Body, 24x2 inches; size of tongue, 16x1 1/2 inches. 1-16, 1-8 and 1-4 spaces; on back, 1-32, 1-12 and 1-10 spaces. Has brace measure eight square, 1-100 scale and rafter table. Price..... **\$2.75**

3 Foot 4Folds

4-B-5815. Arched joints, middle plates. Spaced 8ths and 16ths..... **50c**

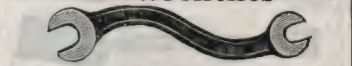
Zig Zag Folding Rules
4-B-5821. Spring joints, Yellow finish, metal tips.
Length, feet..... 3 20c 27c 33c 45c
Price.....

Double-End Wrenches Semi-Finish



Size No.	Size Bolts of U. S. Stand. Nut	Extreme Length	Price, Each
23	1/4 to 1/2	4	\$0.13
25	1/2 to 3/4	4 7/8	.20
26	3/4 to 1	5 1/8	.20
27	1 to 1 1/4	5 7/8	.21
29	1 1/4 to 1 3/4	6 1/8	.24
30	1 3/4 to 2	7 1/4	.28
31	2 to 2 1/4	7 7/8	.29
34	2 1/4 to 2 3/4	9 3/8	.42
37	2 3/4 to 3	11 3/8	.62
38	3 to 3 1/4	13 1/8	.95
39	3 1/4 to 3 3/4	13 7/8	.97
40	3 3/4 to 4	15 1/8	1.32
41	4 to 4 1/4	15 7/8	1.32

"S" Wrenches



Stand. Nut Size Bolt	Size of Opening	Extreme Length	Price, Each
1/4 and 1/2	3/8 and 1/2	6 1/4	30c
1/2 and 3/4	7/8 and 1	7 1/4	33c
3/4 and 1	1 and 1 1/4	8 1/4	45c
1 and 1 1/4	1 1/4 and 1 3/4	9 1/4	60c
1 1/4 and 1 3/4	1 3/4 and 2	10 1/4	84c

4-B-6819. Price, per set of five wrenches..... **\$2.50**

Tubular Rivets

4-B-6151. Put up in one size only, 100 in a package. Price, per box:

1/4 inch.....	20c	1/2 inch.....	31c
1/2 inch.....	23c	3/4 inch.....	33c
3/4 inch.....	25c	1 inch.....	35c
1 inch.....	27c	1 1/4 inch.....	39c
1 1/4 inch.....	29c	1 3/4 inch.....	39c

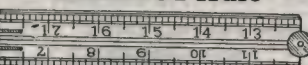


Six-Inch Two-Fold Caliper Rule



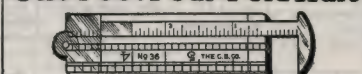
4-B-5819. Square joint. Spaced 8ths, 10ths, 12ths and 16ths. Width, 1/2 inch. Price..... **35c**

Two-Foot Four-Fold Boxwood Rule



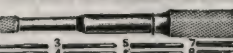
4-B-5801. Round Joint and Middle Plates. Spaced 8ths and 16ths. Price..... **15c**

One-Foot Four-Fold Rule



4-B-5817. Caliper Rule. Has arch joint, full brass bound. Spaced 8ths, 10ths, 12ths and 16ths. Price..... **90c**

Goodell's Hand Drill



4-B-5853. Handle and Chuck Knurled. Nickel plated. Drill points in separate hollow handle. Drill points cannot be pulled out. Price includes 8 drill points 1-16 to 11-64th inch. Length, 10 1/2 inches. Price..... **\$1.95**

Eccentric Clamps



4-B-5859. Heavy steel bar. Inches..... 12 18 24 36 48
Price..... **\$1.26 \$1.58 \$1.80 \$2.25 \$2.70**

Metal Try Squares

4-B-5743. A first class tool at a moderate price. Steel blade, graduations accurately marked. Nickel-plated iron handles, fully warranted. Size represents length of blade.

Size, inches	6	8	10	12
Price, each	50c	56c	75c	90c

Combined Try and Miter Square

4-B-5741. Brass lined rosewood handle, steel blade. Graduations plainly and accurately marked. Size represents length of blade.

Size, inches	4 1/2	6	7 1/2	9
Price, each	32c	52c	69c	75c

Plumb and Level

4-B-5715. Brass arch top plate, two side views, proved glasses. Fully warranted. Lengths, 26, 28 and 30 inches. State length wanted. Price..... **\$1.05**

Level Sights

4-B-5757. Can be readily attached to any wood level with which the user has accurate means of leveling from one given point to another at a long distance. Price, per pair..... **85c**

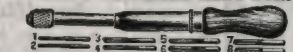
4-B-5758. Level sights for iron levels. Price, per pair..... **75c**

Bench Screw



4-B-5847. Lathe cut threads, movable collars, hardwood handles.
Diam., ins..... 1 1 1/2 1 3/4 1 7/8
Length, ins..... 16 16 17 19
Price, each..... **80c 95c \$1.00 \$1.50**

Goodell's Automatic Hand Drill



4-B-5861. Nickel plated. Length, 10 inches; drill points, from 1/4 to 1 1/4 inch. Price..... **\$1.60**

Sliding "T" Bevels

4-B-5745. Brass tipped, solid rosewood handle. For right or left hand use.

Length, inches.....	6	8	10	12
Price, each.....	30c	45c	48c	55c

Pocket Level

4-B-5737. Can be readily attached to steel square or straight edge. Iron body, brass top plate, proved glasses. Warranted true. Price..... **15c**

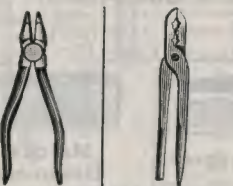
Extension Sight and Plumb Level



4-B-5731. When not in use the sights are depressed flush with the surface of the level and raised into position by merely pressing the button. Heavy brass ends. Length, 28 inches. Price..... **\$3.10**

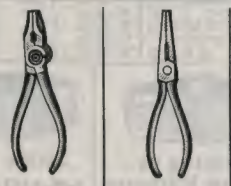
Steel Measuring Tape

4-B-5835. Will not stretch. Hard leather case, securely stitched. Handle folds flush with case. Marked in feet, inches and 8ths of inches. Length, feet..... 50 100
Price, each..... **\$2.50 \$5.25**



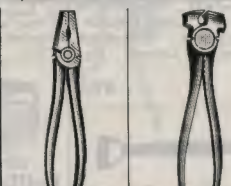
Gas Pliers

4-B-6113. Best grade drop forged gas pliers. Carefully tempered and fitted with polished jaws. Price, per pair:
7 inches..... **25c**
8 inches..... **30c**



Utility Wire Cutters

4-B-6119. Utility Wire Cutting Pliers, made of good quality steel and nicely polished. Price, 5 1/2 inches..... **12c**



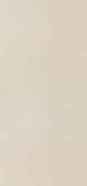
Flat Nose Pliers

4-B-6129. Flat Nose Pliers, forged from crucible steel, nicely finished. Price, 4 inches..... **8c**



Standard Button Plier

4-B-6111. A standard Button Plier, drop forged. Has 2 cutters. 6 inches..... **54c**
8 inches..... **68c**



Combination Fencing Pliers

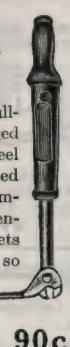
4-B-6103. Combination Fencing Pliers; combines all tools—hammer, staple puller, wire pliers. Price: 10 ins..... **\$1.25**

Combination Pliers

4-B-6109. Combination Pliers, wire cutter, screw driver and wrench. Nickel plated. Price, 6 1/2 ins..... **25c**

Nail Puller

4-B-6125. This nail puller has forged tempered steel jaws, hardened and oil tempered. A splendid tool. Gets the nails out so that they can be used again. Price, each..... **90c**

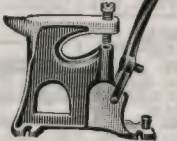


8 Tools in 1

4-B-6101. 8 tools in 1. Staple Puller, Wire Cutter, Hammer, Pliers, Wrench, Wire Trier, Wire Stretcher, Pipe Grip. Length, 10 inches. Price..... **\$1.30**

Combination Punch and Riveter

4-B-6141. Punches or rivets on the downward stroke. A good substantial tool, made of the toughest grade iron, tempered steel punches, adjustable rivet set for tubular or split rivets, with hand finish or polished handle. Price, Each..... **\$1.05**



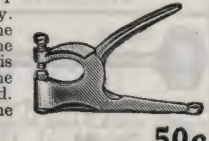
Drop Forged Grip Wrench

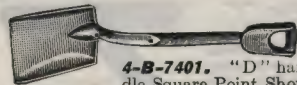
4-B-6835. Made of tool steel. Will grip any surface from 1/4 to 1 inch in diameter. Has 3 dies in center. Will rethread bolts, sizes 1/4, 3/8 and 1/2. Price, each..... **60c**



Handy Lever Riveter

4-B-6147. For tubular rivets only. The screw is on the lever; pull down the lever—the hole is punched and the rivet is clinched. Both done in one operation. Price, each..... **50c**

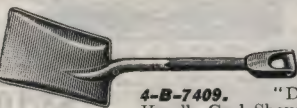




4-B-7401. "D" handle Square Point Shovel. Plain back, full polished. Size 9½x12 inches..... **\$1.05**



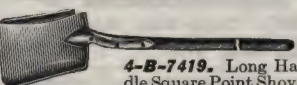
4-B-7405. "D" Handle Square Point Spade. Plain back, full polished. Size, 7½x12 inches..... **\$1.05**



4-B-7409. "D" Handle Coal Shovel. Hollow back. Natural Forged Finish. Size, ins. 13½x14 14½x14½ 14½x15½. Price... **\$1.20 \$1.25 \$1.30**



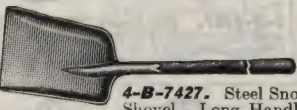
4-B-7413. Ditching or Tiling Spade. Specially adapted for mucky and sticky soil. Fully warranted. Size, 6x18 inches..... **\$3.45**



4-B-7419. Long Handle Square Point Shovel. Plain back, full polished. Size, 9½x12 inches..... **\$1.05**



4-B-7423. Long Handle Square Point Spade. Plain back, full polished. Size, 7½x12 inches..... **\$1.05**



4-B-7427. Steel Snow Shovel. Long Handle. Light, strong and durable. Makes an excellent general purpose shovel. Superior quality. Fully warranted..... **80c**



4-B-7433. Spading Fork. For handling and screening dirt from potatoes, heavy beets and other vegetables. Special crucible steel tines. Plain Ferrules..... **95c**



4-B-7437. Square Point Shovel. Best crucible steel, solid socket, full polished blade, 9½x12 inches..... **\$2.50**



4-B-7441. Long Handle, Round Point. Best crucible steel, solid socket, full polished blade, 9½x12 inches.. **\$2.50**



4-B-7417. Cast iron Post Mauls. Full weight, width 3-foot, hickory handles. Weight, lbs. 10 13 16 18 20. Price..... **60c 78c 96c \$1.08 \$1.20**



Eureka Post-Hole Diggers

4-B-7445. Nothing better of its kind made. 9-inch cast steel blade, properly tempered, malleable iron shank, selected split, hardwood handles. Length, 5 feet, weight, about 9 lbs..... **\$1.45**

Invincible Post-Hole Digger

4-B-7447. Blade and shanks are drop forged from one solid piece of steel. Length of blade, 9 inches. Fitted with selected hardwood handles. Length, 5 feet. Weight, about 9½ lbs. **\$1.40**



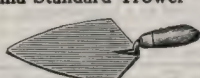
Extra Broad Leather Handle Trowels

4-B-6221. Hammered from solid bar crucible cast steel, carefully tempered and properly ground. 11-inch size is about 6 inches wide; other sizes in proportion. Size, inches. 10 10½ 11. Price, each... **\$1.40 \$1.47 \$1.50**



Philadelphia Standard Trowel

4-B-6219. Made of high grade steel, well finished, properly shaped and fully guaranteed. Size, inches. 10 10½ 11. Price, each... **77c 80c 83c**



Cincinnati Plastering Trowel

4-B-6261. Guaranteed to suit the most critical workman. Hammered from a solid bar highest crucible steel, tempered tough and hard. Accurately ground. Size, inches. 10½ 11 12. Price, each... **\$1.31 \$1.37 \$1.47**

Philadelphia Pattern Trowel

4-B-6223. Hammered from solid bar crucible steel, properly tempered tapering from heel to point. Ground smooth. Best trowel of its kind made. Size, inches. 10 10½ 11. Price, each... **\$1.05 \$1.10 \$1.15**

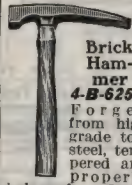


Pointing Trowel

4-B-6259. Hammered from a solid bar best quality cast steel. Properly tempered and accurately ground. Size, inches. 4 5 6. Price, each... **32c 34c 37c**

Standard Plastering Trowel

4-B-6263. High grade crucible steel. Properly tempered and nicely finished. Fully guaranteed. Size, inches. 10 10½ 11. Price, each... **70c 75c 80c**

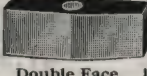


Brick Hammer

4-B-6257. Forged from high grade tool steel, tempered and properly balanced. Guaranteed to be strictly first class. Wt., of hammer, 2 lbs. Fitted with 12-inch selected handle. Price... **\$1.20**



Single Face



Double Face

Spaulding Hammers

Solid cast steel. Polished faces. Handles not included. Either single or double face, same price.

4-B-6213. Single Face. Weight, 4 lbs. Each... **\$0.68**
Weight, 5 lbs. Each... **.70**
Weight, 6 lbs. Each... **.78**
Weight, 7 lbs. Each... **.98**
Weight, 10 lbs. Each... **1.30**



Brick Chisel

4-B-6255. Solid cast steel. 7½-inch octagon handle, 4-inch blade. Price... **70c**



Striking or Drilling Hammer

4-B-6217. Solid cast steel. Polished faces. Handles not included. Wt., 4½ lbs. Each **\$0.63**
Wt., 5 lbs. Each **.58**
Wt., 6 lbs. Each **.69**
Wt., 8 lbs. Each **.92**
Wt., 9 lbs. Each **1.04**



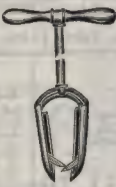
Stone Sledges

4-B-6251. Solid cast steel. Polished faces. Handles not included. Weight Each **\$0.92**
8 lbs..... **1.15**
10 lbs..... **1.38**
12 lbs..... **1.61**
14 lbs..... **1.61**



Masons' Hammers

4-B-6253. Finest tool steel, properly tempered. Bronzed finish, polished edge and face. Handle not included. Wt., 3½ lbs. Each **\$0.78**
Wt., 4 lbs. Each **.90**
Wt., 4½ lbs. Each **1.00**



Wrecking Bars

Drop forged, ¾ inch octagon steel, claw on one end and wedge points on other. Length 30 inches, shipping weight, 5 lbs.

4-B-2560. Price, each... **30c**
4-B-2561. 24x¾ inches. Price... **25c**
4-B-2562. 12x¾ inch. Price... **12c**



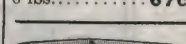
4-B-6040. Socket Scratch Awl. Tool steel, polished beech handle. Price... **12c**



4-B-7461. Railroad picks, cast steel, nicely finished. Weight, 5 to 6 lbs..... **67c**



4-B-7463. Cast steel adze, eye, long cutter. Weight, 5 to 6 lbs. Price... **80c**



4-B-7467. Drift pick cast steel. Wt., lbs. 4 4½ 5. Price... **63c 68c 73c**

Post-Hole Augers

4-B-7455. Solid steel blades which can be replaced if they become broken. Height, 44 ins. wt., about 7 lbs. Size, 6 ins. Pr. **\$1.50**

4-B-7403. Round Point Shovel. Full polished. Size 9½x12 inches..... **\$1.05**

4-B-7407. Western Pattern Grain Scoop. Hollow back. Full polished. Size Length Price No. ins. Each
6 16½ **\$1.46**
7 17 **1.50**
8 17½ **1.55**
9 18 **1.60**
10 19 **1.65**

4-B-7411. Drain Spade. Strongly made to stand rough usage. Length, 18 inch. Full polished. Price... **\$1.60**

Superior quality. Coke Forks. Oval tines.
4-B-7415. 10 tines, 16½ inches long 14½ inches wide. Price... **\$2.20**
4-B-7416. 12 tines, 17½ inches long 17½ inches wide. Price... **\$2.60**

4-B-7421. Long Handle, Round Point Shovel. Plain back, full polished. Size, 9½x12 inches..... **\$1.05**

4-B-7425. Furnace Scoop. Hollow back, black finish. Size, 9x14 inches... **80c**

4-B-7429. Post Hole Spade. Strongly constructed. Full polished. Concave blade, 6 inches at point, length, 18 inches. Price... **\$1.60**

4-B-7435. Scoop Fork. Special crucible steel tines. 8 tines, 11 in. wide, 14 in. long **\$1.75**
10 tines, 14 in. wide, 15 in. long **2.25**
12 tines, 18 in. wide, 16 in. long **2.60**

4-B-7439. Round Point Shovel. Best crucible steel, solid socket, full polished blade, 9½x12 inches..... **\$2.50**

4-B-7443. Square Point Spade. Best crucible steel, solid socket, full polished blade, 7½x12 inches..... **\$2.50**

AZ

AZZ

Crowbars

Solid crucible steel, tempered points, properly balanced, full size and strength. Weight, lbs. 12 16 20. Price, each... **85c \$1.14 \$1.43**

4-B-7457. Pinch Point AZ.
4-B-7459. Wedge Point AZZ.

186

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

Blowers—Forges—Blacksmiths' Tools!

Tornado Portable Forge

\$6⁰⁰



While this forge is offered at an extremely low price, it has not been slighted in its construction. Its durability is fully guaranteed.

Construction: The material used is the very best. The legs are made of $\frac{3}{4}$ -inch pipe, which screw firmly into the hearth and are tied together by wrought iron bands to insure rigidity when in action. The lever operates a segment gear on a ratchet, which permits the reverse motion while the drive wheel on the same shaft revolves rapidly. A leather belt connects drive wheel with the blower fan.

Your particular attention is called to the size of the hearth, which is 22 inches in diameter and $3\frac{1}{4}$ inches deep. This is an extremely popular forge, owing to the unusual size of the hearth, and we recommend it for all kinds of repair work.

Dimensions: Height of forge, 30 inches. Diameter of hearth, 22 inches. Depth of fire pan, $3\frac{1}{4}$ inches. Diameter of fan case, 9 inches.

4-B-6511. Tornado Portable Forge. Weight about 110 lbs. Price..... **\$6.00**

4-B-6512. Tornado Portable Forge. Same as above with half hood. Price..... **\$7.00**

Excelsior Agricultural Forge

\$19⁰⁰



Extra strong, well braced agricultural forge. No details have been neglected to produce a forge that will give you long service under constant use.

Specially designed clutch, positive in action—no lost motion. The blast is strong and will bring the work to a welding heat in less time than any other forge of similar construction.

The lever support is a swivel, which permits lever to follow the motion of the arm.

There are no springs to get out of order. This forge is guaranteed to give you the satisfaction you have a right to expect.

Size of hearth, 23 by 35 inches; size of fan case, 12 in.; height, 30 inches.

4-B-6504. Price with shield, weight 180 lbs..... **\$19.00**

4-B-6506. Price with half hood, weight 185 lbs..... **21.00**

Cyclone Portable Forge

\$5⁸⁰

The best constructed and most durable low priced forge manufactured. For the farm and all light work.

The legs are made of $\frac{3}{4}$ -inch pipe, firmly screwed into the hearth and are tied together with wrought iron bands. The hearth is made of the best grade, heavy cast iron, fitted with an improved Tuyere iron. The lever operates a segment gear on a ratchet, which permits the reverse motion, while the drive wheel on the same shaft revolves rapidly.

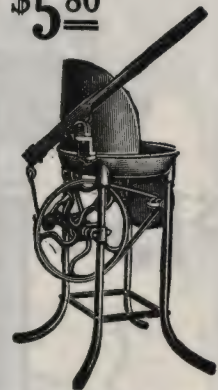
A leather Belt connects the drive wheel with the blower fan; the result is a strong, lasting blast produced with very little energy.

We guarantee that this forge will give entire satisfaction.

Dimensions: Height of forge, 30 inches. Diameter of hearth, 18 inches. Depth of fire pan, $3\frac{1}{4}$ inches. Diameter of fire case, 8 inches. Weight, about 55 pounds.

4-B-6501. Price with shield, as shown in illustration..... **\$5.80**

4-B-6503. The same in every respect as the one described above, except that it is provided with a steel half hood for smoke pipe connection, instead of a shield for outside work, as shown in illustration. Weight, about 60 pounds. Price..... **\$7.10**



Eureka Blacksmiths, Boilermakers and Rivet Forges

\$25²⁰

The Eureka Forge is a strictly high grade outfit, designed especially for heavy smithing. There are no belts, ratchets, or clutches. Equipped with ball bearing fan shaft. Designed to produce a hotter fire in less time than any other blower forge on the market. Blast is strong and steady. Gears are perfectly built and enclosed in dust-proof, self-oiling case. Steel bushed bearings; gears and pinions large and heavy; easy running and durable. Furnished with heavy Tuyere iron, $14 \times 11\frac{1}{4}$ inches and 4 inches deep, requiring no claying. Crank turns forward and backward to produce the blast. Hearth is deep with low sides almost to level with the Tuyere for long shafts or forgings when working with a small fire.

4-B-6508. Eureka blacksmiths, boilermakers and rivet forge, complete as described..... **\$25.20**



ANVIL TOOLS

Made of highest grade cast steel. Are full weight, properly tempered, well finished and the best that it is possible to manufacture. Your money back on any tools not entirely satisfactory. We guarantee a saving of 30% to 50%

Bottom Swages

4-B-6921

Ins.	Lbs.	Ea.
$\frac{1}{4}$	2	26c
$\frac{3}{8}$	2	27c
$\frac{1}{2}$	2	28c
$\frac{3}{4}$	2	29c
$\frac{1}{2}$	3	33c
$\frac{3}{4}$	3	35c
$1\frac{1}{4}$	3	36c
$1\frac{1}{2}$	$3\frac{1}{2}$	42c



Top Swages

4-B-6943

Ins.	Lbs.	Ea.
$\frac{1}{4}$	2	23c
$\frac{3}{8}$	2	26c
$\frac{1}{2}$	$2\frac{1}{2}$	27c
$\frac{3}{4}$	3	32c
$\frac{1}{2}$	3	33c
$\frac{3}{4}$	$3\frac{1}{4}$	34c
$1\frac{1}{4}$	$3\frac{3}{4}$	35c
$1\frac{1}{2}$	$3\frac{3}{4}$	44c



Bottom Pullers

4-B-6983

Ins.	Lbs.	Ea.
$\frac{1}{4}$	2	25c
$\frac{3}{8}$	2	26c
$\frac{1}{2}$	$2\frac{1}{4}$	27c
$\frac{3}{4}$	$2\frac{1}{4}$	28c
$\frac{1}{2}$	$2\frac{1}{2}$	35c
$\frac{3}{4}$	$2\frac{1}{2}$	36c
$1\frac{1}{4}$	3	37c
$1\frac{1}{4}$	3	39c
$1\frac{1}{2}$	$3\frac{1}{2}$	41c



Top Pullers

4-B-6981

Ins.	Lbs.	Ea.
$\frac{1}{4}$	$2\frac{1}{2}$	26c
$\frac{3}{8}$	$2\frac{1}{2}$	29c
$\frac{1}{2}$	$2\frac{3}{4}$	30c
$\frac{3}{4}$	$2\frac{3}{4}$	31c
$\frac{1}{2}$	$2\frac{3}{4}$	35c
$\frac{3}{4}$	3	41c
$1\frac{1}{4}$	3	42c
$1\frac{1}{4}$	$3\frac{1}{2}$	45c



Square Flatteners

4-B-6985

Face	Wt.	Ea.
Ins.	Lbs.	
2	$2\frac{1}{4}$	30c
$2\frac{1}{4}$	$2\frac{1}{4}$	35c
$2\frac{3}{4}$	$3\frac{1}{4}$	45c
3	$4\frac{1}{2}$	50c



Straight Hardies

4-B-6923

Shank	Ins.	Wt.	Ea.
	$\frac{1}{4}$	8 oz.	15c
	$\frac{3}{8}$	12 oz.	18c
	$\frac{1}{2}$	1 lb.	43c
	$\frac{3}{4}$	$1\frac{1}{4}$ lb.	50c
	$1\frac{1}{2}$	$1\frac{1}{2}$ lb.	56c



Toe Hardies



4-B-6945. For cutting off heels of shoes. Shank..... $\frac{3}{8}$ inch Each..... **\$1.06**

Hot Cutter



4-B-6991. Without handle. Cuts $1\frac{3}{8}$ inch, weight, $2\frac{1}{4}$ lbs..... **80c**

Cold Cutter

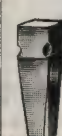


4-B-6989. Cuts $1\frac{3}{8}$ in., weight, $2\frac{1}{2}$ lbs..... **80c**

Square Set Hammers

4-B-6987

Face	Wt.	Ea.
Ins.	Lbs.	
$1\frac{1}{4}$	$1\frac{1}{4}$	74c
$1\frac{1}{2}$	$2\frac{3}{4}$	91c
$1\frac{3}{4}$	$4\frac{1}{4}$	\$1.12



Blacksmiths' Tools—Blowers and Anvils



\$15⁵⁰

Blower for All General Work

This blower is made for all ordinary purposes for blacksmiths, wheelwrights, contractors, farmers and for any use where a light, easy running, efficient and durable machine is required at a reasonable price.

Built with direct drive and produces a strong, steady blast. The gears are perfectly cut and are enclosed in dustproof, self-oiling case. Designed so that the crank may be turned forward or backward to produce the blast.

4-B-6616. 46 inch. Fan case 12 inches in diameter, with Tuyere iron and pipe complete. Weight, 140 lbs. Price..... **\$15.50**



\$15⁵⁰

Six Tools in One

Forge
Vise
Anvil
Pipe Vise
Drill Press
Emery
Grinder

Combination Outfit

This splendid combination Blacksmith Outfit, equipped with Forge, Vise, Anvil, Pipe Vise, Drill Press and Emery Grinder, is strictly a high grade combination tool that is built for service.

The gears are all cut. The forge pan is 12x14 inches, large enough to take a plowshare. This pan is cut away so that a plowshare can be put into it. The Blower-head attached is a real cut-gear, high speed outfit that runs silent and is speeded high enough to produce a white pressure heat so that welding can be done on any work the farmer is able to handle.

Height, overall, 41 inches; height to top of Forge Hearth, 26 inches; width of Vise Jaws, 4 inches; Extreme opening of Vise Jaws, 4 1/2 inches; capacity of Pipe Vise, 3 inches; capacity of Drill Press, 1 1/2 inch; greatest distance from Spindle to Table, 11 inches; spindle bored to take, 1 1/2 inch; face of Anvil, 3x5 3/4 inches; size of Handle, 3/4 inch; size of Forged Hearth, 12x14 inches; depth of Forge Hearth, 2 feet; speeds obtained by gearing, 1 to 1, 1 to 4, 1 to 14; size of Emery Wheels, 6x1 inches; Floor Space, 12x16 inches. Weight, 135 pounds.

The legs are angle steel, well riveted to the top plate and tool tray, and the two steel rods support the forge pan. Furnished complete with one 6x1 inch emery wheel, and one Hardie, as illustrated. Shipped from Chicago Warehouse.

4-B-674. Price, complete..... **\$15.50**

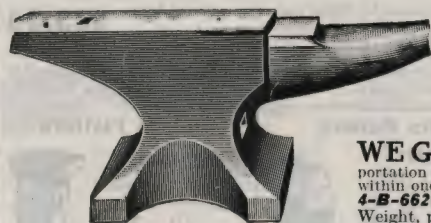


\$23

Blacksmiths' Blower Direct Drive

This splendid blower is built with direct drive. The gears are cut in the most accurate manner and fitted to insure a light, easy running blower at all times. Made with ball bearings—no small gears or pinions. The gearing is enclosed in a dust-proof case and runs in a bath of oil. The crank turns forward or backward to produce the blast. Equipped with heavy Tuyere iron 14x11 1/4 in. over all and 4 in. deep. A strictly high grade blower suitable for heaviest work. Carries the indorsement of many particular users.

4-B-6600. Height, 46 inches. Fan case 12 inches in diameter, with heavy Tuyere iron and pipe complete. Weight, 165 lbs. Price..... **\$23.00**



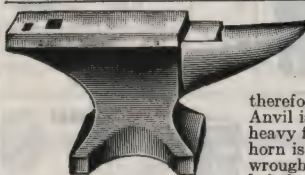
Wrought Iron Anvils

American wrought iron anvils. Top and bottom are each made of one solid piece of the toughest iron. The body is made in two pieces, welded at the waist by improved methods. The face is made of one solid piece of highest grade tool steel, properly tempered and securely welded to the body and is guaranteed not to come loose. The face is planed after the anvil is finished and is therefore smooth. Has wide base, perfectly shaped horn and heel.

WE GUARANTEE Every anvil to give perfect satisfaction. Any anvil that is not satisfactory can be returned to us within thirty days and we will refund the amount paid, including transportation charges. We further guarantee that should any Premier Anvil break at the waist or the steel face become loose within one year from date of purchase, it will be replaced without charge.

4-B-6621. Premier wrought iron anvils.

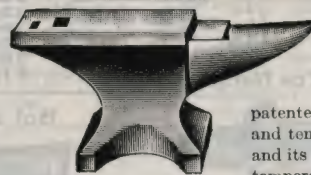
Weight, pounds.....	200 to 220	170 to 190	120 to 165	80 to 119	70 to 79	60 to 69	50 to 59
Per pound.....	20c	21c	22c	23c	24c	25c	26c



Cast Iron

4-B-6625. These anvils are made of a superior pig iron. Face accurately machined and chilled, therefore giving a smooth Anvil surface. This Anvil is for light work, and is not suitable for heavy forging. The waist is reinforced and the horn is slightly heavier in proportion than in a wrought iron Anvil. Anvil is fitted with 3/4-in. hole for hardy, also a 1/2-inch hole for punching. In three sizes only.

Weight, pounds	50	70	100
Price, each.....	\$4.20	\$5.90	\$8.75



Steel Faced

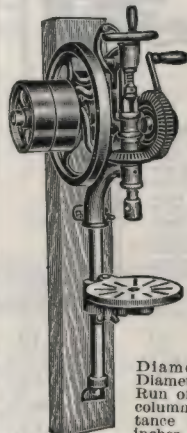
4-B-6623. The face of this anvil is one solid piece of tool steel, thoroughly welded to body of anvil by a patented process and is then accurately ground and tempered. The horn is covered with steel and its extremity is made entirely of tough untempered steel. The body of the anvil is made of superior pig iron.

Weight, pounds.....	20	30	40	50	60	70	80	100
Each.....	\$3.00	\$4.80	\$5.60	\$6.40	\$6.95	\$7.75	\$8.55	\$10.65

Self Feed Post Drill

Blacksmith Tools

Ball Bearing Gear Self Feed

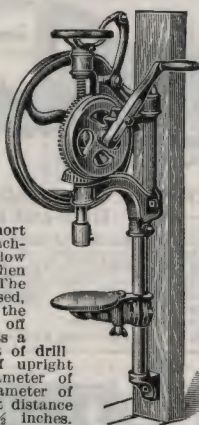


\$29.00

4-B-6705. Strongly constructed and especially adapted for heavy work. For belt and hand power. Fitted with tight and loose pulleys and fly wheel. It is equipped with a special automatic feeding device which is located back of spindle and is worked by a cam on inside of main gear wheel. This cam is constructed so as to give nearly a continuous feed. Made for heavy service. All bearings are extra long and turned out of solid metal. Height of drill, 45 inches. Diameter of table, 11 inches. Diameter of spindle, 1 1/4 inches. Run of spindle, 3 inches. Size of column, 2 inches. Greatest distance of spindle to table, 16 1/2 inches. Spindle turns 1 1/2 times to one turn of crank fast speed, crank turns 1 1/2 times to one turn of spindle on slow speed. Spindle is bored for 1/2-inch round shank drills. Drills 1 1/4-inch holes to center of 18-inch circle. Weight, 190 lbs. Price.....**\$29.00**

Double Geared Self Feed

4-B-6702. We claim that this is the best drill ever offered at the price and will meet with the requirements of the general shop and blacksmith work. It is constructed in the best possible manner and the material and workmanship cannot be excelled. The crank is adjustable to long or short turn. The self-feed attachment can be set fast or slow speed or thrown out when self feed is not required. The drill table can be raised, lowered or swung out of the way, or can be taken off entirely. The spindle has a run of 3 inches. Height of drill 35 inches. Diameter of upright column, 1 1/4 inches, diameter of drive gear, 8 inches, diameter of table, 6 inches. Greatest distance of spindle to table, 9 1/2 inches. Fly wheel, 14 1/2 inches in diameter. Drill spindle is 1 inch steel and is bored for 1/2-inch round shank drills. Holes to a center of 12-inch circle. About 80 pounds. Price.....**\$9.45**

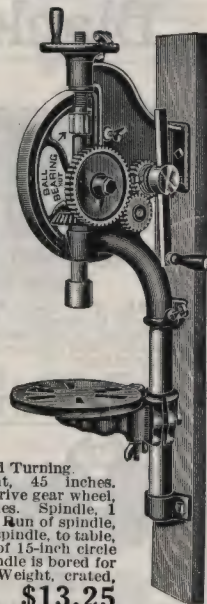


4-B-6701. All parts readily detachable. No riveted pins holding spindle to feed screw, no washer bearings and riveted studs for the gears. The main gear revolves on a movable stud, screwed into the frame and having a hexagon head. The intermediate pin also turns on a steel stud. The Gears are Machine Moulded, cleaned with sand blast.

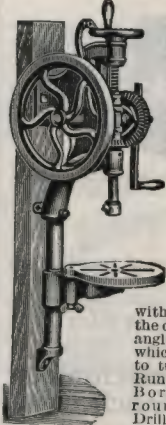
Ball Bearing Feed. The nut connecting the feed screw to the spindle is complete within itself and is ball bearing, thus the friction is greatly minimized. The ball bearings also overcome the necessity of frequent oiling.

Has Adjustable Self Feed. The automatic feeding device gives nearly a continuous feed. The device is located back of the spindle and operated by a cam inside of the main gear wheel.

Two Speeds. No Left Hand Turning.
Dimensions: Total height, 45 inches. Diameter of table, 10 inches; drive gear wheel, 6 inches. Fly wheel, 14 inches. Spindle, 1 inch. Column, 1 9-16 inches. Run of spindle, 4 inches. Greatest distance of spindle to table, 13 1/2 inches. Drills to center of 15-inch circle and up to 1 1/4-inch holes. Spindle is bored for 1/2-inch round shank drills. Weight, crated, about 100 pounds. Price.....**\$13.25**

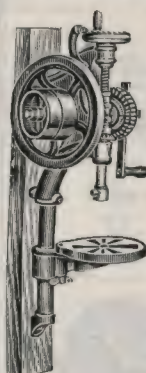


Double Geared Self Feed



4-B-6707. All bearings are turned out of solid metal to a work fit. The drill has two speeds one for light work—the other for heavy. Table can be raised or lowered, turned to side or removed and the fork used as a wheel holder. The automatic feed device is located back of the spindle. The lower column is properly aligned with the spindle and the drill table is at right angles with the spindle which causes the drill to turn free and easy. Run of spindle, 3 ins. Bored for 1/2-inch round shank drills. Drills 1 1/4-inch holes to center of a 15-inch circle. Weight, about 115 lbs. Price.....**\$12.50**

Power and Hand Drill



4-B-6715. The same construction as our 4-B-6707 Premier ball bearing geared self-feed post drill, with intermediate gear. First class equipment for shops that are provided with power. It is fitted with crank and fly wheel for operation by hand or power. The easiest running, fastest cutting post drill ever offered. The automatic feeding device gives nearly a continuous feed so that the drill does not jamb the work. Saves drill bits. The speed can be increased or diminished by simply turning thumb screw. Drill is extra heavy construction throughout and will do equally as good work as many drills that are sold for considerably more. Run of spindle, 3 inches. Diameter of spindle, 1 inch. Bored for 1/2-inch round shank drills and drills to 1 1/4-inch holes to a center of 15-inch circle. Weight, crated, 125 lbs. Price.....**\$16.25**

Straight Shank Twist Drill



High grade Straight Shank Drills. Made for machinists' use, from finest tool steel used in the manufacture of drills. Each drill ground to gauge, finely tempered and guaranteed to drill more holes than any other twist drill made. To be used in connection with drill chuck for round shank drills. They cannot be used in a common bit brace. Shanks for these drills are the same diameter as the drill.

4-B-6805. Straight shank twist drills.											
Diameter.....	1-16	5-64	3-32	7-64	1-8	9-64	5-32	11-64	3-16	13-64	
Length, inches.....	2 1/2	2 3/4	2 3/4	2 3/4	3	3 1/4	3 1/4	3 3/4	3 3/4	3 3/4	
Each.....	07c	08c	08c	08c	09c	09c	09c	09c	10c	11c	
Diameter.....	7-32	15-64	1-4	17-64	9-32	19-64	5-16	21-64	11-32	23-64	
Length, inches.....	3 3/4	3 3/4	4	4 1/4	4 1/4	4 3/4	4 3/4	4 3/4	4 3/4	4 3/4	
Each.....	12c	13c	15c	16c	17c	18c	19c	20c	22c	24c	
Diameter.....		3-8	25-64	13-32	27-64	7-16	29-64	15-32	31-64	1-2	
Length, inches.....		5	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	5 1/4	6	
Each.....		27c	28c	30c	34c	37c	40c	44c	49c	53c	

Round Shank Drill Bits



WITH HALF INCH ROUND SHANKS. For Use in Connection with Post Drills
4-B-6801. Half-inch Round Shank Drills made of the very best grade of Steel, accurately and carefully tempered and will drill more holes than any other blacksmith drill on the market. Each one is absolutely true to gauge and fully guaranteed in every particular.

Size.....	1-8	5-32	3-16	7-32	1-4	9-32	5-16	11-32	3-8	13-32	
Price.....	24c	25c	26c	29c	32c	34c	37c	39c	42c	45c	
Size.....	7-16	15-32	1-2	17-32	9-16	19-32	5-8	21-32	11-16	23-32	
Price.....	47c	50c	53c	55c	58c	63c	68c	74c	79c	84c	
Size.....	3-4	25-32	13-16	27-32	7-8	29-32	15-16	31-32	1		
Price.....	89c	95c	\$1.00	\$1.05	\$1.10	\$1.16	\$1.21	\$1.26	\$1.31		

Bit Stock Drills

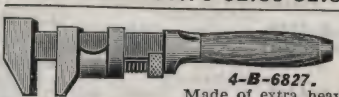


4-B-6807. Can be used in an ordinary bit brace, and will drill hardwood, steel and other metals.

Size.....	1-8	5-32	3-16	7-32	1-4	9-32	5-16	11-32	3-8	13-32	
Each.....	13c	15c	17c	19c	21c	26c	30c	35c	37c		
Size.....	13-32	7-16	15-32	1-2	5-8	3-4	7-8	1			
Each.....	40c	45c	50c	55c	77c	\$1.03	\$1.28	\$1.55			



4-B-6825. Machinists' Pattern. Knife handle. Designed especially for mechanics' use.
Length, inches..... 6 8 10
Price, each..... 90c \$1.10 \$1.35
Length, inches..... 12 15 18
Price, each..... \$1.70 \$2.30 \$2.85



4-B-6827. Made of extra heavy forged steel. Bar and head forged from one piece. Deep milled screw thread. Steel knurl opens full. Every wrench fully warranted.
Length, in. 6 8 10 12 15
Price, ea. 55c 70c 80c \$1.00 \$1.35

Straight Shank Twist Drill Set

4-B-6802. 1/4 to 1/2 by 64ths. Mounted on metal blocks. Size of drill, also decimal equivalent and tap drill size. Price.....**\$9.50**



4-B-6831. Entire Bar Drop forged from one piece of steel. Made with reinforced bar.
Length, ins.... 6 8 10 12
Opens, ins.... 1 1/4 1 1/2 1 3/4 2 1/4
Price..... 80c 95c \$1.15 \$1.45
Length, ins.... 15 18 21
Opens, ins.... 2 1/2 3 3 1/2 4
Price..... \$1.95 \$2.65 \$2.95

Machine Counter Sinks

4-B-6823. Half inch Round Shanks. Will fit any of our post drills.
Size, inches..... 5/8 3/4
Each..... 40c 60c

Hand Feed Drills

4-B-6713. For use on farms and in small shops. The crank is adjustable to long or short turn. Drill table can be raised, lowered or swung out of the way. Upright column and feed screw are made of special steel. The bearings are long and heavy, making it the easiest running and most practical and satisfactory small drill on the market. The drill spindle is 1-inch steel and bored for 1/2-inch round shank drills. Feed has an up and down run of 2 1/4 inches. Height of drill 36 inches. Diameter of upright column, 1 1/4 inches; diameter of gear wheels, 6 1/4 inches. Greatest distance of spindle to table, 9 1/2 inches. Drills 3/4-inch holes to a center of a 12-inch circle. Wt., crated, about 52 lbs. Price.....**\$7.50**



Horizontal Bench Drill



4-B-6721. Blacksmith and farm use. A strong durable tool, which will give excellent service. Drill spindle bored for bit stock drill No. 4-B-6807. Weight, 29 pounds. Price.....**\$2.95**

Adjustable "S" Wrench



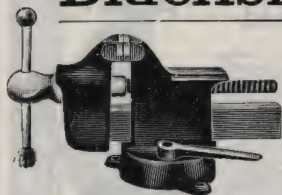
4-B-6833. High grade tool. Steel jaws, malleable iron frame.
Length, ins.... 6 8 10 12 14
Opens, ins.... 3 1 1/4 1 1/2 2
Each..... 65c 80c 95c \$1.45 \$1.90

Post Drill Chucks

Made with half-inch straight shank and will fit any of our post drills. Straight shank, twist drills are used in connection with these chucks.
4-B-6809. Holds drills 1/2-inch and smaller. Price.....**\$1.80**
4-B-6811. Holds drills, 1/2-inch and smaller. Price.....**\$2.40**



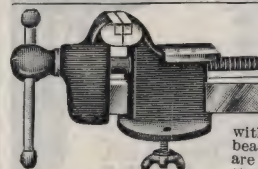
Blacksmiths' and Machinists' Vises!



Steel Beam Swivel Base Vise

4-B-7203. This Vise has a solid steel beam which gives it strength. Being fitted with a swivel bottom, it can be turned rapidly either right or left. This movement is securely fastened with turn of lever.

Width of jaws, inches...	2 1/2	3	3 1/2	4
Opens, inches.....	3	3 1/2	4	6
Weight, lbs.....	12	15	20	32
Price, each.....	\$3.35	\$4.05	\$5.25	\$7.70



Steel Beam Vise

4-B-7205.

This vise is of very strong construction and is made with solid steel beam. The handles are of cold rolled steel and the jaws

tempered steel. Furnished with bolt and nut, and can therefore be used as a swivel as well as a stationary vise.

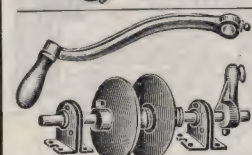
Width of jaws, inches...	2 1/2	3	3 1/2	4
Opens, inches.....	3	3 1/2	4	6
Weight, lbs.....	11	13	19	30
Price, each.....	\$2.80	\$3.55	\$3.95	\$6.15



Bench Clamp

4-B-7215. These small vises are made to clamp to a table or bench. The top of the jaws and face and anvil are ground and polished. The sliding jaw is made with a deep machine cut thread.

Width of jaws, ins.....	1 1/2	2
Opens, inches.....	1 1/2	2
Price, each.....	65c	\$1.00



Ball Bearing Grindstone Fixtures

4-B-4407. Made with ball bearing journals. Will support stones from 1 1/2 to 3 inches thick up to 30 inches in diameter.

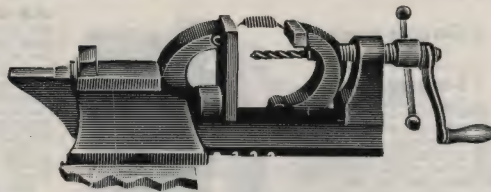
Price, per set..... **\$1.75**

Grindstone \$6.00



4-B-4401. Frame is constructed from angle steel extra well braced. Ball bearings on journals and cranks. Axles are made of steel. Stone is the best selected Berea grit, 20 to 22 inches in diameter, 2 to 2 1/2 inches thick, and weigh on an average of 60 pounds.

Weight, about 85 lbs. Price, each..... **\$6.00**



Premier Combination Anvil, Vise, Drill and Hardie

This useful combination of tools is designed to meet all requirements for farmers, mechanics, mills, mines; in fact, it is useful in every home. It consists of a vise, drill, anvil and hardie. Jaws of the vise open 6 inches. Width, 3 1/2 inches, and are faced with steel. Drills holes up to 1/2 inch. 1/2-inch round snank drills are used in connection with this tool.

Weight, about 50 pounds.

4-B-7221. Price complete, without drill bits..... **\$3.75**

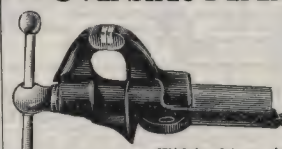


Combination Vise, Anvil and Pipe Vise

4-B-7229. This Vise is intended only for light work and is the best finished vise of its type on the market. Made of cast iron with chilled face. Width of jaws, 3 inches; opens 5 inches. Weight, 26 pounds.

Price..... **\$2.25**

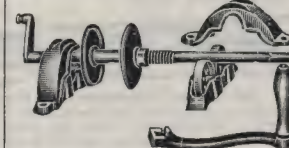
Oval Slide Parallel Bench Vise



4-B-7227. The strongest and best finished oval slide vise manufactured. Has tool steel jaws and wrought screw, accurately cut and fitted. Adapted for any kind of light work.

Width of jaws, inches...	2 1/2	3	3 1/2
Opens, inches.....	3 1/2	4	4 1/2
Weight, lbs.....	8	14	24
Price, each.....	\$2.15	\$2.50	\$3.15

Ball Bearing Grindstone Fixtures



4-B-4409. Adjustable for stones of different thicknesses. The use of these fixtures will prevent the splitting of grindstone, which is often the case when wooden wedges or axles are used. Japanned finish.

Length, inches.....	15	17	19	21
For Stone, lbs.....	40	60	80	100
Price, each.....	\$0.85	\$0.94	\$1.00	\$1.10

Hammer and Axe Handles

Hand Shaved Octagon Hickory Axe Handles

4-B-6201. Made of strictly clear, selected, thoroughly seasoned second growth white hickory. Length, 36 inches.

Each..... **57c**



Hand Shaved Oval Hickory Axe Handles

4-B-6203. Made of strictly clear, selected, thoroughly seasoned second growth white hickory. Length, 36 inches.

Each..... **54c**

TURNED HICKORY SINGLE BIT AXE HANDLES

4-B-6205. First Grade. Length 36 inches. Each..... **29c**

BROAD AXE HANDLES

4-B-6207. First Grade only. Reversible for right or left hand. Length, 34 inches. Each..... **34c**

HAMMER HANDLES

4-B-6233. First Grade only. Length, 14 inches. Each..... **10c**

HATCHET HANDLES

4-B-6235. First Grade only. Length, 14 inches. Each..... **10c**

BROAD HATCHET HANDLES

4-B-6241. First Grade only. Length, inches..... 16 17 18

RIVETING HAMMER HANDLE

4-B-6243. First Grade only. Length, 14 inches. Each..... **10c**

POST MAUL HANDLES

4-B-6245. First Grade only. Length, 36 inches. Each..... **25c**

DOUBLE BIT HICKORY AXE HANDLES

4-B-6209. First Grade only. Length, 36 inches. Each..... **29c**

PICK OR MATTOCK HANDLES

4-B-6211. First Grade only. Length, 36 inches. Each..... **34c**

SLUDGE HANDLES

4-B-6237. First Grade only. Length, 34 inches. Each..... **22c**

MACHINISTS' HAMMER HANDLES

4-B-6239. First Grade only. Length, 16 inches. Each..... **10c**

BLACKSMITHS' HAMMER HANDLES

4-B-6247. First Grade only. Length, 16 inches. Each..... **10c**

ADZE HANDLES

4-B-6249. First Grade only. Length, 34 inches. Each..... **30c**

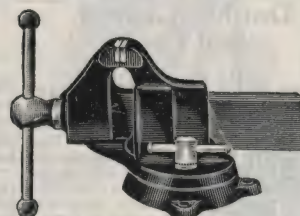
Blacksmiths' Solid Box Vises



4-B-7201. The strongest and best made solid box vise possible to produce. The jaws are each forged from one piece of steel and are faced with crucible tool steel tempered to stand the pressure. The screws are made from heavy steel screw stock threaded on automatic machines, insuring uniformity. The box is fitted with special collars to prevent binding the screw and stripping the thread. Every vise fully guaranteed.

Width of jaws, inches...	3 1/2	4	4 1/2
Weight, lbs.....	35	40	45
Price, each.....	\$5.65	\$5.95	\$6.25
Width of jaws, inches...	4 1/2	5	5 1/2
Weight, lbs.....	50	60	70
Price, each.....	\$6.50	\$7.40	\$8.50
Width of jaws, inches...	5 1/2	6	6 1/2
Weight, lbs.....	80	90	100
Price, each.....	\$9.95	\$11.35	\$11.45

Swivel Vise



4-B-7225. This vise can be turned in any position on an axis parallel with the floor and is locked by a clamping bolt.

Width of jaws, ins...	3	3 1/2	4	4 1/2
Opens, inches.....	4	5	6	6 1/2
Weight, lbs.....	28	38	54	65
Price, each.....	\$12.25	\$14.00	\$16.80	\$19.60
Width of jaws, ins...	5	5 1/2	6	7
Opens, inches.....	7 1/2	8 1/2	10	12
Weight, lbs.....	90	120	136	240
Price, each.....	\$21.85	\$27.50	\$37.50	\$46.85

Solid Jaw Machinists' Bench Vises



4-B-7223. The metal used is an alloy mixture, very tough, making the strongest vise possible to manufacture. Reinforced where the strain is heaviest. Screws and handles are cold rolled steel. Jaws are heavy tool steel carefully tempered. Every vise is fully guaranteed. Stationary bottom.

Width of jaws, inches...	3	3 1/2	4
Opens, inches.....	4 1/2	5	6
Weight, lbs.....	24	28	42
Price, each.....	\$10.50	\$11.20	\$13.30
Width of jaws, inches...	4 1/2	5	6
Opens, inches.....	6 1/2	7 1/2	8
Weight, lbs.....	55	72	90
Price, each.....	\$15.40	\$19.60	

Household Grindstone



Fitted with convenient adjustable tool rests, nicely finished in black enamel.

4-B-4401. 4-in. case, wheel size, 4x4x1 inch. Price..... **\$1.55**

4-B-4406. 5-in. case, wheel size, 5x1x1 inch. Price..... **\$2.40**

4-B-4408. 6-in. case, wheel size, 6x1x1 inch. Price..... **\$3.00**

7-B-4410. 7-in. case, wheel size, 7x1x1 inch. Price..... **3.95**

BLACKSMITHS' STOCKS AND DIES



Cuts all right hand threads except No. 4-B-7332.

Catalog Number	Manufacturers No.	Cuts inch	No. of Threads to inch	No. of taps in set	No. of dies in set	Price per set
4-B-7301	55	$\frac{5}{16}$ to $\frac{1}{4}$	18-24 and 32	4	3 sets	\$2.80
4-B-7303	53	$\frac{5}{16}$ to $\frac{1}{4}$	16-20-24 and 32	4	4 sets	3.00
4-B-7305	53 A	$\frac{5}{16}$ to $\frac{1}{4}$	18-20-24 and 32	4	4 sets	3.10
4-B-7307	41	$\frac{1}{2}$ to $\frac{1}{4}$	16-20 and 26	6	3 sets	3.65
4-B-7309	41 C	$\frac{1}{2}$ to $\frac{1}{4}$	12-14 and 16	6	3 sets	3.70
4-B-7311	41 D	$\frac{1}{2}$ to $\frac{1}{4}$	12-16 and 20	6	3 sets	3.75
4-B-7313	37	$\frac{5}{8}$ to $\frac{3}{4}$	14-18 and 22	6	3 sets	4.75
4-B-7315	37 A	$\frac{5}{8}$ to $\frac{3}{4}$	12-14 and 16	6	3 sets	4.80
4-B-7317	37 C	$\frac{5}{8}$ to $\frac{3}{4}$	11-12 and 16	6	3 sets	4.85
4-B-7319	34 C	$\frac{3}{4}$ to $\frac{1}{2}$	10-11 and 12	3	3 sets	5.00
4-B-7321	34 B	$\frac{3}{4}$ to $\frac{1}{2}$	12-14 and 16	3	3 sets	5.05
4-B-7323	34 A	$\frac{3}{4}$ to $\frac{1}{2}$	10-12 and 14	3	3 sets	5.10
4-B-7325	32 A	$\frac{3}{4}$ to $\frac{1}{2}$	10-11-12 and 14	4	4 sets	5.60
4-B-7327	32 B	$\frac{3}{4}$ to $\frac{1}{2}$	10-12-14 and 16	4	4 sets	5.65
4-B-7329	23	1 to $\frac{3}{8}$	9-10 and 14	3	3 sets	5.75
4-B-7331	23 A	1 to $\frac{3}{8}$	8-10 and 12	3	3 sets	5.75
4-B-7332	42 A	$\frac{1}{2}$ to $\frac{3}{8}$	{ Right hand 12" and 18" Left hand 12"	6	3 sets	3.95



BLACKSMITHS' STOCKS AND DIES

With Stocks for single die. Cuts right hand threads only.

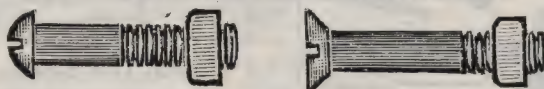
Catalog Number	Mfrs. No.	Cuts inch	No. of Threads to inch	No. of taps in set	No. of dies in set	Price per set
4-B-7337	51 A	$\frac{1}{2}$ to $\frac{3}{8}$	12-14 and 16	3	3 sets	\$4.45
4-B-7339	51 B	$\frac{1}{2}$ to $\frac{3}{8}$	12-14-16 and 18	4	4 sets	5.00
4-B-7341	60	$\frac{3}{4}$ to $\frac{1}{2}$	10-12-14 and 18	6	4 sets	7.25
4-B-7343	27	$\frac{3}{4}$ to $\frac{1}{2}$	10-12 and 16	6	3 sets	7.30
4-B-7345	27 B	$\frac{3}{4}$ to $\frac{1}{2}$	10-11-12-14 and 16	5	5 sets	8.40
4-B-7347	27 C	$\frac{3}{4}$ to $\frac{1}{2}$	10-11-12-14-16 and 18	6	6 sets	9.50
4-B-7349	27 D	$\frac{3}{4}$ to $\frac{1}{2}$	10-11-12-14-16-18-20	7	7 sets	10.65
4-B-7351	27 A	$\frac{3}{4}$ to $\frac{1}{2}$	10-11 and 12	6	3 sets	7.35
4-B-7353	19 B	1 to $\frac{1}{2}$	8-9-10 and 11	4	4 sets	10.00
4-B-7355	19 C	1 to $\frac{1}{2}$	8-9-10-11 and 12	5	5 sets	11.75

WOOD SCREWS

Flat head bright wood screws, cold forged, are stronger, hold better and are inserted easier than other wood screws. Orders for less than a gross will be charged at the dozen price.

4-B-4029	4-B-4031	4-B-4033	4-B-4035
Length $\frac{1}{4}$ inch	Length $\frac{3}{8}$ inch	Length $\frac{1}{2}$ inch	Length $\frac{5}{8}$ inch
No. Gross Doz.	No. Gross Doz.	No. Gross Doz.	No. Gross Doz.
1 23c 3c	1 23c 3c	2 23c 3c	2 23c 3c
2 23c 3c	2 23c 3c	3 23c 3c	3 23c 3c
3 23c 3c	3 23c 3c	4 24c 3c	4 24c 3c
	4 23c 3c	5 25c 3c	5 25c 3c
		6 26c 3c	6 27c 3c
			7 29c 3c
4-B-4037	4-B-4039	4-B-4041	4-B-4043
Length $\frac{3}{4}$ inch	Length 1 inch	Length $1\frac{1}{4}$ inch	Length $1\frac{1}{2}$ inch
No. Gross Doz.	No. Gross Doz.	No. Gross Doz.	No. Gross Doz.
4 25c 4c	5 28c 4c	5 29c 4c	7 33c 5c
5 27c 4c	6 29c 4c	6 30c 4c	8 34c 5c
6 28c 4c	7 31c 4c	7 31c 4c	9 36c 5c
7 29c 4c	8 32c 4c	8 32c 4c	10 38c 5c
8 33c 4c	9 34c 4c	9 36c 4c	12 48c 6c
9 35c 4c	10 36c 4c	10 38c 4c	14 58c 6c
10 36c 4c	12 44c 4c	12 43c 4c	16 68c 6c
		14 56c 5c	
4-B-4045	4-B-4047	4-B-4049	4-B-4051
Length $1\frac{1}{2}$ inch	Length 2 inch	Length $2\frac{1}{2}$ inch	Length 3 inch
No. Gross Doz.	No. Gross Doz.	No. Gross Doz.	No. Gross Doz.
8 38c 5c	10 40c 5c	12 48c 5c	14 93c 10c
9 40c 5c	12 45c 5c	14 64c 6c	16 \$1.15 12c
10 42c 5c	14 60c 6c	16 86c 9c	18 1.30 13c
12 50c 5c	16 70c 7c	18 \$1.00 10c	
14 60c 6c	18 80c 8c		
16 70c 8c			

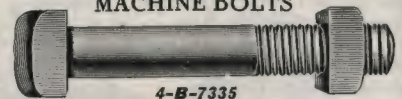
ROUND AND FLAT HEAD STOVE BOLTS



Length, inch..	3-16 INCH DIAMETER	1-4 INCH DIAMETER	5-16 INCH DIAMETER
Price per 100..	27c 27c 29c 29c 32c 35c 37c 39c 42c 48c	38c 38c 38c 40c 42c 45c 48c 50c 52c 58c 64c	56c 58c 60c 62c 66c 69c 74c 80c 86c

HARDWARE SNAPS!

MACHINE BOLTS



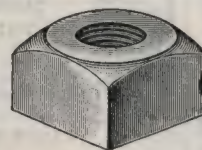
Length, inches.....	1-4 INCH DIAMETER BOLTS	5-16 INCH DIAMETER BOLTS	3-8 INCH DIAMETER BOLTS	1-2 INCH DIAMETER BOLTS
Per 100.....	1 1/4 1 1/2 2 2 1/2 3 3 1/2 4 4 1/2 5 5 1/2 6	1 1/4 1 1/2 2 2 1/2 3 3 1/2 4 4 1/2 5 5 1/2 6	1 1/4 1 1/2 2 2 1/2 3 3 1/2 4	1 1/4 1 1/2 2 2 1/2 3 3 1/2 4
Per 100.....	93c 96c \$1.08 1.20 1.29 1.40 1.83 1.92 2.00 2.10 2.20	\$1.32 1.38 1.56 1.70 1.83 1.98 2.10 2.55 2.70 2.82 2.90	\$1.65 \$1.75 \$1.95 \$2.15 \$2.30 \$2.55 \$2.75	\$3.35 \$3.65 \$3.90 \$4.20 \$4.45 \$4.70 \$5.00 \$5.25 \$5.55
Price, per 100.....	\$5.80 \$6.00 \$6.35 \$6.90 \$7.40 \$7.95 \$8.80 \$9.35			

CARRIAGE BOLTS

4-B-7353. These have oval heads, square shoulders, perfect thread with forged nuts. Will sell 50 bolts at one-half 100 price.



Length, inch.....	1-4 inch diameter. 100 bolts in a package. (Always state size bolt wanted.)	5-16 inch diameter. 50 bolts in a package. (Be sure to state length wanted.)	3-8 inch diameter. 50 bolts in a package. (Be sure to state length wanted.)	1-2 inch diameter. 50 bolts in a package. (Be sure to state length wanted.)
Price, per 100.....	85c 90c \$1.00 \$1.10 \$1.20 \$1.32 \$1.70	\$1.25 \$1.30 \$1.40 \$1.60 \$1.70 \$1.85 \$2.00	\$1.55 \$1.65 \$1.85 \$2.00 \$2.25 \$2.45 \$2.65	\$3.65 \$3.95 \$4.20 \$4.50 \$4.75 \$5.00
Price, per 100.....	\$1.80 \$1.90 \$2.00 \$2.10 \$2.20 \$2.30 \$2.50	\$2.40 \$2.55 \$2.70 \$2.80 \$2.95 \$3.00 \$3.35	\$2.85 \$3.20 \$3.35 \$3.60 \$3.75 \$3.95 \$4.35	\$5.30 \$5.55 \$5.85 \$6.00 \$6.65



BLANK SQUARE NUTS

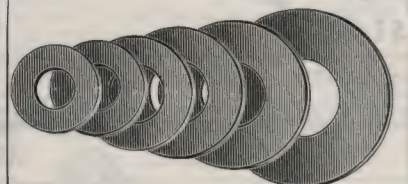
4-B-7361

Bolt, Inches	No. in lbs.	Price Blank per lb.
$\frac{1}{4}$	74	17c
$\frac{5}{16}$	39	15c
$\frac{3}{8}$	21	12c
$\frac{7}{16}$	13	12c
$\frac{1}{2}$	7	10c
$\frac{5}{8}$	6	10c
$\frac{3}{4}$	3	10c
$\frac{7}{8}$	2	9c
1	2	9c

THREADED SQUARE NUTS

4-B-7363

Bolt, Inches	No. in lbs.	Price, Threaded per lb.
$\frac{1}{4}$	74	20c
$\frac{5}{16}$	39	18c
$\frac{3}{8}$	21	14c
$\frac{7}{16}$	13	14c
$\frac{1}{2}$	12	13c
$\frac{5}{8}$	7	13c
$\frac{3}{4}$	6	12c
$\frac{7}{8}$	3	11c
1	2	10c
2	1	10c



WROUGHT IRON WASHERS

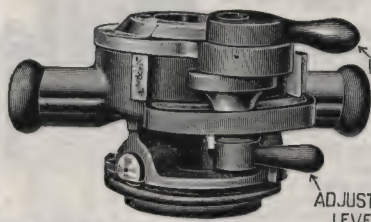
4-B-7359. These washers are made to easily fit the size of bolt given.

Bolt, ins.	No. in lb.	Per lb.
$\frac{3}{8}$	400	14c
$\frac{1}{2}$	139	12c
$\frac{5}{8}$	113	11c
$\frac{3}{4}$	68	9c
$\frac{7}{8}$	26	7c
1	13	7c
1 1/4	10	7c
1 1/2	9	7c
2	6	7c

LAG SCREWS

We can furnish lag screws in all sizes at low prices. Send list of your requirements

"Bulldog" Pipe Stocks and Dies

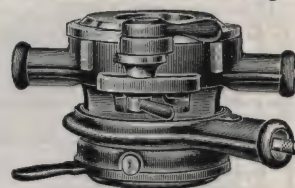


\$14
without
Ratchet

An Adjustable Stock with the Grip That Never Slips

Bull Dog type stocks and dies are the choice of professional plumbers and steam-fitters because of their durability, simplicity and fast cutting. Dies and guides are controlled by small lever handles, quickly set for any size. They stay set without locking. Dies are opened or closed by one movement of the top lever. They are changed from one

size to another or set for over or undersize by moving one lever. An adjustable stock with a positive lever lock which will not slip. By throwing lever open, die can be lifted off—not necessary to back off die after thread is finished. Cuts clean, sharp threads.



\$16
with
Ratchet

Sizes of Pipe These Stocks Will Thread

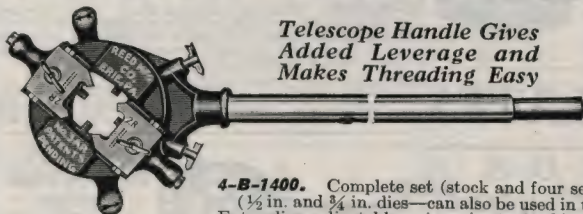
"Bulldog" Plain Stock and Dies

Cat. No.	One Set of Dies	One Set of Dies	One Set of Dies	Price Per Set
4-B-1020	1/4 in. & 3/8 in.	1/2 in. & 3/4 in.	1 in. & 1 1/4 in.	\$14.00
4-B-1040	1/2 in. & 3/4 in.	1 in. & 1 1/4 in.	1 1/2 in. & 2 in.	20.00

"Bulldog" Ratchet Stock and Dies

Cat. No.	One Set of Dies	One Set of Dies	One Set of Dies	Price Per Set
4-B-1020-R	1/4 in. & 3/8 in.	1/2 in. & 3/4 in.	1 in. & 1 1/4 in.	\$16.00
4-B-1040-R	1/2 in. & 3/4 in.	1 in. & 1 1/4 in.	1 1/2 in. & 2 in.	20.00

The New REED Ratchet Pipe Stock and Dies Handy—Easy and Fast Cutting



Telescope Handle Gives Added Leverage and Makes Threading Easy

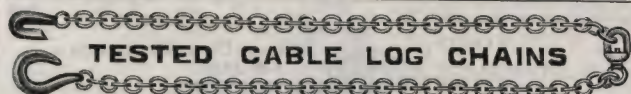
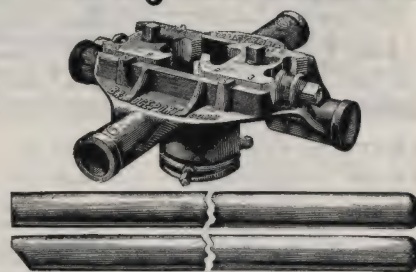
An extra strong tool built to endure. Preferred by many because it has fewer parts and permits work in close quarters. Will thread nipples one inch shorter than any other ratchet pipe stock. No need to file off the burr. The double threaded throat starts cutting easier with a burr than without it. Adjustable guides eliminate bushings. Cuts both right and left hand threads by changing die and reversing the ratchet.

4-B-1400. Complete set (stock and four sets of dies), 1 in., 1 1/4 in., 1 1/2 in. and 2 in. \$18.00
(1/2 in. and 3/4 in. dies—can also be used in the same stock.)
Extra dies; adjustable. Any size to fit this stock, each. \$3.00

SPECIAL! Armstrong's Adjustable Pipe Stock and Dies \$9⁵⁰

For Threading Pipe 2 1/2 and 3 inch

17-B-2820. A special purchase of these splendid Armstrong adjustable pipe stock and dies bring them to you at an unusually low price. Complete stock and die cutting 2 1/2 and 3 inch right hand threads. The change from 2 1/2 in. to 3 in. is made by simply reversing dies end for end, when they will cut the two standard sizes without further adjustment. Furnished complete with two handles and packed in a heavy hardwood box. Price of set complete..... \$9.50



TESTED CABLE LOG CHAINS

Made of the best grade tested cable chain, fitted with hooks and swivels. Length 14 feet with grab hook on one end, large round hook on the other end, swivel in center. Size given is diameter of iron from which the links are made.

4-B-7147. Tested Steel Log Chains

Size, inches.....	1/2	5-16	3/4	1	5/8
Weight, lbs.....	11	17	23	41	72
Price.....	\$1.80	\$2.40	\$3.00	\$4.40	\$6.60

Tested Cable Coil Chain

4-B-7031. Short, straight links.

Made of high grade iron of great toughness and guaranteed full size.



Guaranteed to be strictly first class in every particular.

Size inch.....	3-16	1/4	5-16	3/4	7-16	1/2	3/8
Approx. Wt., per ft., lbs.....	1/8	1 1/4	1 1/4	2	3	5	6
Per Foot.....	7c	10c	14c	18c	22c	26c	44c 56c

Wrought Iron Chain Repair Links

4-B-7034. Used to replace broken links. Made full size of regular chain iron.

Size, inches..... 3-16
Price, per dozen..... 3c

Malleable Repair Links

4-B-7036. Can be applied without tools. These links combine simplicity and strength.

For Chain, inch..... 3-16 1/4 5-16
Size, inch..... 5 5 5
Per dozen..... 40c 45c 50c

Round Chain Hooks

4-B-7045. Forged from the highest grade chain steel.

For Chain, inches. 1/4 3/8 1/2
Each..... 13c 17c 29c



Grab Chain Hooks

4-B-7047. Carefully forged from the highest grade chain steel.

For Chain, inches... 5/16 3/8 1/2
Each..... 13c 25c 35c



Utility Tool Set

\$1⁵⁰

Handy Tools for All Work

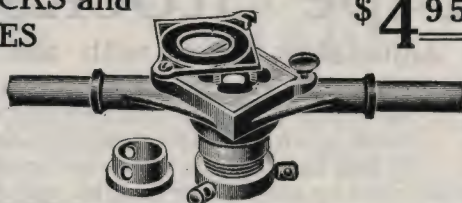


4-B-5963. Set consists of: 11 tools specially selected, forged from high grade tool steel properly tempered. Polished cocobola handle, improved nickel plated chuck. Each tool is nicely finished and guaranteed to give entire satisfaction.

Price..... \$1.50

MALLEABLE PIPE STOCKS and SOLID STEEL DIES

In the manufacture of the dies it has been our aim to furnish a die of unusual cutting qualities. To do this it has been necessary to use a higher grade of steel than has heretofore been employed in the manufacture of pipe dies. We will guarantee that every die has a perfect clearance and will cut a clean thread. When cutting threads use plenty of oil. Lard oil is recommended for this purpose.



\$4.95

Pipe size of dies, regular set inches.....	4-B-2801. Set No. 0	
Dimensions of dies, inches.....		1/8 1/4 3/8 1/2
Price per set, complete with dies.....		\$4.95

Pipe size of dies, regular set, inches.....	4-B-2802. Set No. 1	
Dimension of dies, inches.....		1/2 3/4 1 1 1/4
Price per set, complete with dies.....		\$6.50

Pipe size of dies, regular set, inches.....	4-B-2805. Set No. 2	
Dimension of dies, inches.....		1 1 1/4 2
Price per set, complete with dies.....		\$8.95

Pipe size of dies, regular set, inches.....	4-B-2803. Set No. 1 1/2	
Dimension of dies, inches.....		3/4 1 1 1/4
Price per set, complete with dies.....		\$5.90

Pipe size of dies, regular set, inches.....	4-B-2806. Set No. 3	
Dimension of dies, inches.....		2 1/4 3
Price per set, complete with dies.....		\$21.65

Extra Dies and Guides

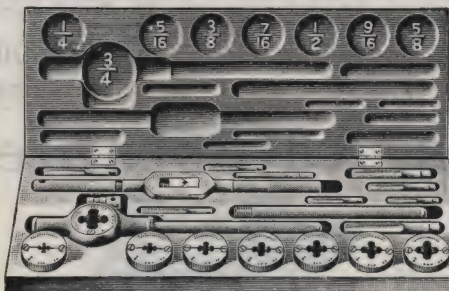


4-B-2808. These can be furnished either right or left hand thread. In ordering be sure and state which. Unless otherwise specified dies with right hand threads will be shipped.

Dimension of Dies, inches	Pipe Size of Dies	Price of Dies	Price of Guides
2 x 2 x 1/2	1/8, 1/4, 3/8, 1/2	\$0.87	\$0.17
2 1/2 x 2 1/2 x 3/4	3/8, 1/2, 5/8, 3/4, 1, 1 1/4, 1 1/2	1.99	.23
3 x 3 x 1	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	1.25	.35
4 x 4 x 1 1/4	3/4, 1, 1 1/4, 1 1/2, 2	1.55	.43
5 x 5 x 1 1/2	1, 1 1/4, 1 1/2, 2, 2 1/4, 3 (right hand only)	5.55	1.20



CHAMPION EASY SCREW PLATES



\$12.95

U. S. Standard Thread

Champion easy screw plates make a perfect screw with a single cut. Adjustable dies with taper head screw and taper nut making them rigid and solid. The finest workmanship and material. All dies and taps made of special tool steel perfectly tempered. Come to you in neat wood box with taper taps. Complete with Champion adjustable tap wrench with square socket to fit shank of each tap in set. Holds tap firmly and always in center.

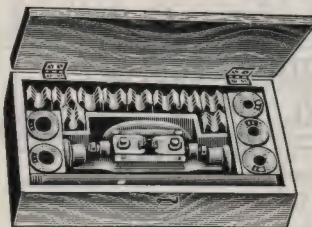
4-B-627. Cuts 5 sizes as follows: 1/4-20, 3/8-16, 1/2-13, 3/4-11, 1-10, U. S. standard threads. Length of stock, 16 in., weight 7 1/4 lbs., price set.....	\$12.95
4-B-628. Cuts 6 sizes as follows: 1/4-20, 3/8-16, 1/2-13, 3/4-11, 1-10, U. S. standard threads. Length of stock 16 in., weight 8 lbs., price per set.....	\$13.95
4-B-631. Cuts 9 sizes as follows: 1/4-20, 3/8-16, 1/2-13, 3/4-11, 1-10, 1 1/4-9, 1 1/2-8, U. S. standard threads. Has two stocks one 16 in. and one 29 in. long. Weight 19 lbs., price per set.....	\$23.80

Auto and Repair Shop Screw Plate Combination

4-B-633. Consists of 10 dies and taps cutting both standard U. S. threads and S. A. E. auto standard threads. U. S. standard threads 5 sizes: 1/4-20, 3/8-16, 1/2-13, 3/4-11, 1-10, S. A. E.: 1/4-28, 3/8-24, 1/2-20, 3/4-18, 1-16, S. A. E. Price per set.....

4-B-634. Combination consists of 16 dies cutting—1/4-20, 3/8-16, 1/2-13, 3/4-11, 1-10, U. S. standard and 1/4-28, 3/8-24, 1/2-20, 3/4-18, 1-16, S. A. E. Price per set.....

ARMSTRONG PATTERN ADJUSTABLE STOCK AND DIES FOR THREADING PIPE



The dies are standard in size and are easily adjusted to the variations and size of pipe. The taper at the entrance of the first few threads is greater than the standard taper, thus forcing six of the teeth of the die to do the work of the cutting instead of two or three as in the ordinary die. This causes them to start on the pipe very easily, even though it is burred considerably. Each set is finely finished and packed in a hardwood box.



4-B-2823. Set No. 2. Size of dies, inches, 1/4, 3/8, 1/2, 3/4, 1	
Weight per set, 15 lbs. Price complete.....	\$7.45
Extra pipe dies from 1/8 to 1 inch each size.....	1.25

4-B-2824. Set No. 2 1/4. Dies in this set are double-ended. Sizes 1/2 x 3/4 and 1 x 1 1/4. Weight of set, 20 lbs. Price, complete.....	\$8.65
Extra dies, each size.....	1.55

4-B-2825. Set No. 3. Size of dies, inches, 1 1/4, 1 1/2, 2	
Weight per set, 35 lbs. Price complete.....	\$11.15
Extra pipe dies from 1 1/4 to 2 inch each size.....	2.75

4-B-2826. Set No. 6. Dies in this set are double ended. Sizes 2 1/2 x 3. Weight per set, 72 lbs. Price, complete.....	\$27.85
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Smith's Combination Pipe Vises



4-B-2839. Can be used as a swivel or stationary bottom. Pipe jaws are reversible. Vise can be used either for pipe or as a parallel machinists' vise.

Size No.....	1	2	3
Weight, lbs.....	45	70	105
Capacity, inches.....	1/4 to 2	1/4 to 3	1/4 to 4
Width of jaw, inches.....	3 1/2	4	4 1/2
Price, each.....	\$12.00	\$16.50	\$24.00



Open Hinge Malleable Pipe Vises

4-B-2841. Made with steel jaws which are interchangeable. Vise is self-locking, heavily constructed. The jaws and every part of vise are fully guaranteed.

Size No. 1	2	3
Cap. in. 1/2 to 2 1/2	1/2 to 3 1/2	1/2 to 4 1/2
Pr., ea. \$3.35	\$5.00	\$7.40



Barnes' Three Wheel Pipe Cutters

4-B-2843. Made of malleable iron. Steel pins and cutting wheels are made of highest grade crucible steel, oil tempered. This style cutter is especially suited to use in that class of work where it is impossible to revolve cutter entirely around pipe.

Size No.....	1	2	3
Cuts pipe, inches.....	1/4 to 1	1/2 to 2	1 1/4 to 3
Price, each.....	\$2.28	\$3.05	\$5.00
Extra wheels.....	.12	.15	.20



Saunders' Pattern Pipe Cutter

4-B-2845. Is suitable for work where the cutter can be revolved around the pipe and leave practically no burr. Pins and cutter wheels are made of crucible steel, tempered.

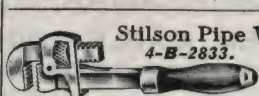
Size No.....	1	2	3	4
Cuts pipe, inches.....	1/4 to 1	1 to 2	2 to 3	2 1/2 to 4
Price, each.....	\$1.85	\$2.75	\$6.80	\$11.00
Extra wheels.....	.14	.19	.36	.38



Trimo Pipe Wrenches

4-B-2847. Drop forged from bar steel, removable jaw and nut. Are made with round top and bottom, threads guaranteed not to strip or burr. All the parts are interchangeable and can be renewed at small expense.

Lgth. In.	Takes Pipe In.	Price Each	Lgth. In.	Takes Pipe In.	Price Each
6.....	1/4 to 1	\$.90	18.....	1 1/2 to 2	\$2.25
8.....	1/4 to 1 1/4	1.02	24.....	1 1/2 to 2 1/2	3.25
10.....	1/4 to 1 1/2	1.12	30.....	1 1/2 to 3 1/2	6.00
14.....	1/4 to 1 1/2	1.58	48.....	1 to 5	9.00



Stilson Pipe Wrenches

4-B-2833. Drop forged. All parts interchangeable.

Lgth. In.	Takes Pipe In.	Price Each
6 in.....	1/8 to 1/2 in.	\$0.85
8 in.....	1/8 to 3/4 in.	.95
10 in.....	1/8 to 1 in.	1.10
14 in.....	1/4 to 1 1/2 in.	1.50
18 in.....	1/2 to 2 in.	2.20
24 in.....	3/4 to 2 1/2 in.	3.15

Pipe Taps and Reamers

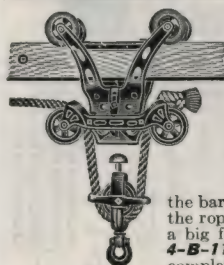
Made of high grade tool steel, each tool fully guaranteed.

4-B-2831. Pipe-Tap.	
1/4 in.....	\$0.50
3/8 in.....	.60
1/2 in.....	.80
3/4 in.....	1.00
1 in.....	1.35
1 1/4 in.....	2.05
1 1/2 in.....	2.85
2 in.....	3.75
2 1/2 in.....	5.70

Pipe Reamers

4-B-2832	
1/4 in.....	\$0.75
3/8 in.....	.90
1/2 in.....	1.20
3/4 in.....	1.50
1 in.....	2.15
1 1/4 in.....	3.00
1 1/2 in.....	3.75
2 in.....	4.85
2 1/2 in.....	7.25

Best Made Hay Carrier Tools



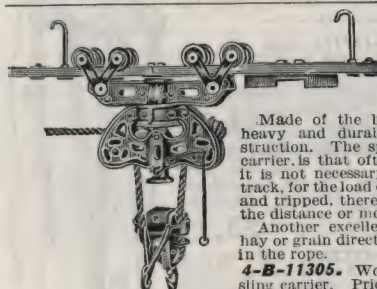
Double Swivel Hay Carriers With Improved Locking Device

Has but two pieces, which makes it an absolutely positive lock. No springs or unnecessary parts to get out of order. Will work either way, by changing pulley from one end of the barn to the other, making it unnecessary to untie the ropes from other pulleys. This simple method is a big feature not generally found in other carriers.

4-B-11301. Wood track double swivel Hay Carrier, complete with stop and fork pulley.

Price.....**\$6.15**

4-B-11303. Steel track double swivel Hay Carrier complete with stop and fork pulley. Price.....**\$6.20**



Double Swivel Sling Hay Carrier

Made of the best malleable iron, heavy and durable, simple in construction. The special feature of this swivel carrier is that often when the barn is empty it is not necessary to raise a load up to the track, for the load can be raised to any point desired, and tripped, thereby saving not only time but half the distance or more for the horses to travel.

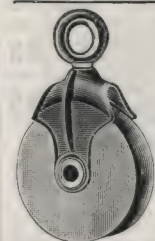
Another excellent feature is that it draws the hay or grain direct as the load stands, with no twist in the rope.

4-B-11305. Wood track swivel sling carrier. Price.....**\$10.85**

4-B-11307. Steel track swivel sling carrier.

Price.....**\$10.90**

Snatch Pulley Block
4-B-11309. To shorten travel of horse without reducing the power. Horse travels only half the distance hay is carried. Frame is made of malleable iron with iron sheave. For use with manila rope only. Price, each.....**90c**



Iron Yoke Hay Fork Pulley

4-B-11311. With loose hollow pin, hard maple sheave, 6 inch. Price, each.....**15c**

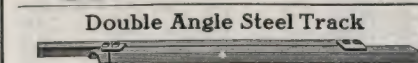
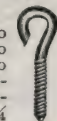
Wood Frame Hay Fork Pulley (Self Oiling)

4-B-11313. Frame and sheave are made of the best hard maple, fitted with wrought iron yoke, malleable iron eye and swivel springs—the most durable hay fork pulley manufactured. Price, each.....**30c**



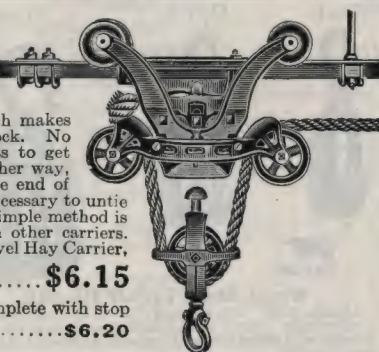
Steel Yoke Knot - Passing Pulley
4-B-11315
With maple sheave, 6 inch diameter. Price, Each....**45c**

Floor Hooks
4-B-11325.
Used to screw to floor to hold pulleys. Diameter, 3/4 inch. Price, Each.....**12c**



Double Angle Steel Track

4-B-11319. Made only in five and ten foot lengths. Furnished complete with coupling and bolts. Two end bumpers are furnished with track when 30 feet or more are ordered. Price, per foot.....**18c**



Steel Track Hanging Hooks

4-B-11321. For double steel angle track. Price, each.....**14c**

Wood Track Hanging Hooks

4-B-11323. 14 inches along the bend. Price, each.....**14c**



Self-Locking Sling Pulley



4-B-11333. Can be used in connection with our Double Swivel Hay Carrier. The simplest and strongest sling pulley ever offered. It has no springs, and regardless of how large or how small the load of hay is in the wagon sling it will lock at any place.

When the knob of the Sling Pulley enters the Hay Carrier, the entire weight of hay is on this knob and throws the lock against the rope between the two pulleys and when the load is dumped and Hay Carrier is returned and strikes the stop block, the knob drops, the sling pulley is unlocked and is ready for another load. Price.....**\$2.70**



Rope Hitch With Swivel Hook

4-B-11317. Malleable iron. Will take rope up to 1 in. Each....**24c**



Joined Hanging Hooks

4-B-11327. Used for hanging wood track to beams without using rafter brackets. Price, each.....**15c**

Galvanized Hay Carrier Cable



4-B-11353. 1/2 inch diameter, composed of 7 wires. Price, per foot.....**5c**

4-B-11355. Clamps for cable Hay carriers. Price, each.....**30c**

4-B-11357. Collars for cable Hay carriers. Price, each.....**22c**

Pure Manila New Rope

4-B-11617.

Made of selected long pure Manila fiber. The 3/4 inch is used for the Trip and the 1/2 inch is generally used for the Carrier, although in connection with our outfit either the 1/2 inch or the 1 inch rope can be used.



Size Inches	Price Per 100 ft.	Size Inches	Price Per 100 ft.
3/4	\$0.50	1 1/2	\$5.60
1	1.00	1 3/4	6.75
1 1/4	1.90	1 7/8	9.00
1 1/2	3.10	2	10.50
2	4.00	2 1/2	15.00

Single Harpoon Hay Fork



4-B-11335. Regulation size, made of best materials. Price, each.....**\$2.45**

Double Harpoon Hay Forks

4-B-11337. Short time double Harpoon Hay Fork, 25 inch tine, 16 inches between points. Made of best quality material. Price, each.....**\$2.10**

4-B-11339. Long time, Double Harpoon Hay Fork, tines 30 inches long, 16 inches between points. Price, each.....**\$2.35**

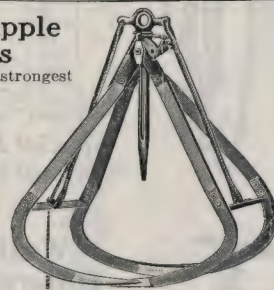
4-B-11341. Double Harpoon Hay Fork, 34 inch tines, 22 inches between points. Designed for handling alfalfa and straw. Can be used, however, for handling any kind of hay. Price, each.....**\$3.60**

Hay Grapple Forks

The best and strongest Grapple Forks manufactured.

4-B-11343. 4 tine Grapple Fork for regular work. Price, each.....**\$7.00**

4-B-11345. 6 tine Grapple Fork for short hay, loose straw. Price, each...**\$8.85**



Adjustable Wagon Sling



Made for an 18 foot wagon rack. They can be made shorter for any size wagon by drawing the ropes through the wood bars and tying another knot on each side of wood bars. There is a center trip on all slings and they are fitted with the best and simplest lock.

An outfit generally consists of one sling pulley and three wagon slings, so as to take off an entire load in three lots. The trip rope is of proper length, permitting the sling to be easily tripped. Sling pulleys or sling carriers must be used with wagon slings.

4-B-11347. Length, 4 foot. Price, each...**\$3.85**
4-B-11349. Length, 5 foot. Price, each...**4.35**
4-B-11351. Length, 6 foot. Price, each...**4.55**

Rafter Brackets

4-B-11329. For Hay carrier track. Price, each.....**5c**





Block and Tackle

"I" Beam Trolley



TRIBLOC Chain Hoist

4-B-11613. These splendid hoists are of strong compact construction. Designed for all classes of work. Steel working parts and patented loop hand-chain guide which protects the hoist and controls the hand chain at all speeds of travel. Hand chain will not buckle in guide or over-ride flanges of the hand wheel. Fastest lifting hand hoist produced.

Cap. Tons	Wt. Lbs.	Lift Feet	Price, complete
1/2	60	8	\$ 52.00
1	70	8	67.00
1 1/2	80	8	90.00
2	90	9	105.00
3	100	10	135.00
4	110	10	165.00
5	120	12	210.00
6	130	12	247.00
8	140	12	280.00
10	150	12	336.00

Single



Becket

Double



Triple



Wood Shell Tackle Blocks

Manila Rope. These blocks are of the best possible construction. Have special chilled steel pins and iron sheaves with edges properly rounded to prevent the rope from fraying.

We can furnish these blocks either with or without becket. When used in pairs, one should be plain and the other with becket.

4-B-11701. Without becket. **4-B-11702.** With becket.

Diam. Rope, Inches	Length of Shell, Inches	Single Pulley	Double Pulley	Triple Pulley
3/8	3	\$0.48	\$0.90	\$ 1.20
1/2	4	.60	1.08	1.47
5/8	5	.62	1.20	1.60
3/4	6	.75	1.35	1.95
7/8	7	.78	1.62	2.35
1	8	1.13	1.95	2.88
1 1/4	10	1.88	3.00	4.20
1 1/2	12	3.00	5.05	7.00
1 3/4	14	4.73	7.00	10.00
2	15	5.40	8.75	12.15

Single



Double



Triple



Steel Tackle Blocks

Are made with forged steel hooks, straps, pins and shells. For manila rope.

4-B-11704. Without becket. **4-B-11705.** With becket.

Diam. Rope, Inches	Length of Shell, Inches	Single Pulley	Double Pulley	Triple Pulley
3/8	3	\$0.48	\$0.90	\$ 1.20
1/2	4	.60	1.08	1.47
5/8	5	.62	1.20	1.60
3/4	6	.75	1.35	1.95
7/8	7	.78	1.62	2.35
1	8	1.13	1.95	2.88
1 1/4	10	1.88	3.00	4.20
1 1/2	12	3.00	5.05	7.00



Steel Snatch Blocks



STEEL SNATCH BLOCKS

4-B-11709.	Size of Diam. Lgth.	Sheave Rope Shell Price
Inches Inches Ins. Each		
3 x 1 1/4	3/4	6 \$4.40
3 1/2 x 1 1/4	7/8	7 5.25
4 x 1 1/2	1	8 6.25
5 x 1 1/2	1 1/8	9 7.50
5 1/2 x 1 1/2	1 1/4	10 9.25
6 1/2 x 2 1/4	1 1/2	12 11.00
8 x 2 1/4	1 3/4	14 14.50
9 x 2 1/2	2	16 19.00

STANDARD WOOD SHELL IRON STRAP-PED SNATCH BLOCKS

4-B-11707.	Size of Diam. Lgth.	Sheave Rope Shell Price
Inches Inches Ins. Each		
3 x 1 1/4	3/4	6 \$3.00
3 1/2 x 1 1/4	7/8	7 3.50
4 x 1 1/2	1	8 4.35
5 x 1 1/2	1 1/8	9 5.10
5 1/2 x 1 1/2	1 1/4	10 6.40
6 1/2 x 2 1/4	1 1/2	12 7.50
8 x 2 1/4	1 3/4	14 9.75
9 x 2 1/2	2	16 12.75

A simple and practical "I" Beam Trolley with steel side plates, anti-friction bearings adjustable to three sizes of "I" Beams.

Lot No.	Cap. Tons	Sizes of I-Beam	Wt. Lbs.	Price, Each
4-B-11559	1 1/2	5-6-7	25	\$18.90
4-B-11560	1	6-7-8	40	21.60
4-B-11561	1 1/2	7-8-9	80	25.65
4-B-11562	2	8-9-10	120	29.70
4-B-11563	3	9-10-12	135	36.45
4-B-11564	4	10-12-15	140	44.55
4-B-11565	5	12-15-18	310	58.00

Safety Lifts

These Burr Steel Lifts are thoroughly practical and are much less expensive than the chain hoists.

4-B-11717. Size No. 3, for 3/8-inch rope. One man can hoist 300 lbs. Double lower block, weight, 4 1/2 lbs. Capacity, 800 lbs. Price.....\$1.70

4-B-11719. For 1/2-inch rope. One man can hoist 350 lbs. Double lower block, weight, 6 1/2 lbs. Capacity, 1,500 lbs. Price.....\$3.15

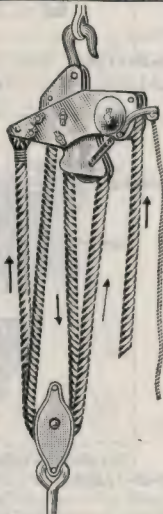
4-B-11721. For 5/8-inch rope. One man can hoist 400 lbs. Double lower block, weight, 11 lbs. Capacity 2,000 lbs. Price.....\$4.00

4-B-11723. For 3/4-inch rope. One man can hoist 450 lbs. Double lower block, weight, 17 lbs. Capacity, 2,500 lbs. Price.....\$4.85

4-B-11725. For 1/2-inch rope. One man can hoist 600 lbs. Triple lower block, weight 10 lbs. Capacity, 3,000 lbs. Price.....\$5.70

4-B-11727. For 3/4-inch rope. One man can hoist 700 lbs. Triple lower block, weight 20 lbs. Capacity, 3,500 lbs. Price.....\$6.85

4-B-11729. For 3/4-inch steel rope. One man can hoist 850 lbs. Triple lower block, weight 28 lbs. Capacity, 5,000 lbs. Price....\$7.95



Wire Rope Blocks

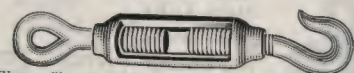
4-B-11711. These blocks are specially designed to be used in connection with wire hoisting rope, having large sheaves.

You cannot use the wood and iron shell manila rope tackle blocks in connection with the wire rope owing to the fact that the sheaves are too small to permit the wire rope running freely over them.



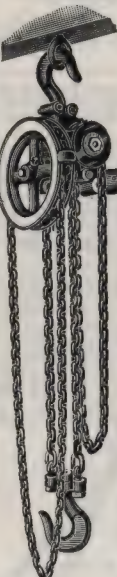
Dia. of Shv.	For Rope Ins.	Single Price Each	Double Price Each	Triple Price Each
10	3/4 & less	\$10.00	\$15.00	\$20.00
14	3/4	14.00	19.00	26.00
16	3/4	16.00	22.00	30.00

Turnbuckles



These Turnbuckles are considered the best on the market. Are made of wrought iron, painted black. We have them in stock and can furnish promptly.

Lot No.	Diam. of Thread	Lgth. of Thread	Price Each Black	Price Each Galv.
4-B-11547	3/16	3 1/2	\$0.45	\$0.57
4-B-11548	3/16	4	.48	.60
4-B-11549	3/16	4 1/4	.50	.65
4-B-11550	3/8	4 1/2	.72	.90
4-B-11551	7/16	5 1/4	.85	1.10
4-B-11552	3/2	6	.95	1.20
4-B-11553	3/2	9	1.40	1.75
4-B-11554	3/2	9	1.90	2.40
4-B-11555	3/2	12	3.25	4.05
4-B-11556	1	12	4.00	5.00



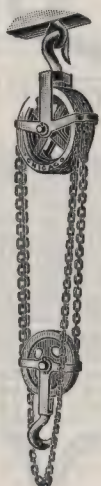
Screw Chain Hoist

4-B-11715. These hoists are powerful and compact. They are extensively used for all classes of work. They are much easier to operate than the Differential Hoist, inasmuch as they are geared up. The gearing is enclosed in oil tight housing and the working parts are thus always immersed in oil, insuring smooth action and thorough lubrication.

Cap. Tons	Wt. Lbs.	Lift Feet	Price, complete
1/2	50	8	\$ 37.00
1	60	8	45.00
1 1/2	76	8	60.00
2	125	9	75.00
3	190	10	112.00
4	210	10	142.00

The Fastest Chain Hoist Made

Special Prices on Sizes up to 10 Tons



Weston Differential Chain Hoist

4-B-11783. Tested to full weight before shipment. This is the simplest and cheapest type of chain hoist, and has the fewest parts of any hoist made. The chains are specially made, are finely finished and carefully hardened to prevent wear. This hoist will hold a load at any point. Each hoist is guaranteed fully in every particular.

Cap. Tons	Will Lift feet	Price, comp.
1/2.....	7	\$15.00
1.....	8	21.00
1 1/2.....	8 1/2	27.00
2.....	9	33.00
3.....	10	45.00

Four feet of extra Chain required for every foot of extra lift.

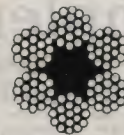
Steel Cable—Jacks



Swedish Transmission or Haulage Rope

4-B-11605. Composed of six strands, hemp center, each having 7 wires. This rope is used principally for transmission of power over large sheaves or drums. This rope is not flexible enough to be used over small sheaves or drums. Note minimum diameter of drum or sheave in table below. Subject to quantity on hand.

Diameter Inches	Weight per 100 ft. in lbs.	Approx. break strain in tons of 2,000 lbs.	Min. diam. of drum or sheaves in feet	Price per ft.
3/4	22	4.8	2 1/2	\$0.05 1/2
1	39	8.4	3 1/2	.08
1 1/4	62	13.2	4 1/2	.12
1 1/2	89	18.6	6	.17
1 3/4	1.20	24.	7	.22
2	1.58	32.	8	.29



Standard Wire Hoisting Rope

Made up of six strands, 19 wires to the strand, laid around a hemp center. **SWEDISH IRON ROPE.** Is used for hay presses, hoisting and all general purposes.

CRUCIBLE STEEL ROPE. Is much stronger and is used in mines, on derricks and for any kind of hoisting work where a strong rope is required.

4-B-11601. Swedish Iron Rope

Diam. Inches	Weight per ft. in lbs.	Approx. breaking strain in tons of 2,000 lbs.	Price per ft.
1/4	0.10	1.10	\$0.06 1/2
3/8	0.22	2.4	.07
1/2	0.39	3.9	.08
3/4	0.62	6.	.12
1	0.89	8.5	.16
1 1/4	1.20	11.8	.20
1 1/2	1.58	14.5	.26
2	2.00	18.6	.33

4-B-11603. Crucible Steel Wire Rope

Diam. Inches	Weight per ft. in lbs.	Approx. breaking strain in tons of 2,000 lbs.	Price per ft.
1/4	0.10	2.2	\$0.09
3/8	0.22	4.8	.09 1/2
1/2	0.39	8.4	.11
3/4	0.62	12.5	.12
1	0.89	17.5	.16
1 1/4	1.20	23.	.24
1 1/2	1.58	30.	.30
2	2.	38.	.36

New Galvanized Wire Strand



4-B-11611. This strand is composed of 7 wires, twisted into a single strand. Is used for guys on smoke stacks, telegraph and telephone poles and many other purposes.

Diam. Inches	Approx. Strength in lbs.	Weight per 100 ft. lbs.	Price per 100 ft.
1/4	2300	13	\$1.60
3/8	5000	30	3.20
1/2	8500	52	5.00

Used Galvanized Wire Strand

3/8-in., approx. diam. Price, per 100 ft. \$1.50
1/2-in., approx. diam. Price, per 100 ft. 2.50

Used Wire Rope for Hoisting

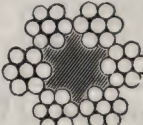
Nineteen Wires to the Strand. Six Strands. Laid Around Hemp Center.



4-B-11525. This rope is particularly adapted for service in mines, for logging, on elevators, derricks, hay presses and hoists of all kinds.

Diam. Inches	Weight per ft. in pounds	Price, per ft. selected second hand rope
1/2	0.39	6c
3/8	0.62	8c
1/4	0.89	11c
1	1.20	15c
1 1/4	1.58	18c
1 1/2	2.45	25c

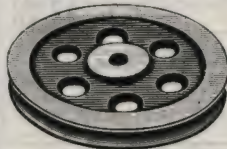
Galvanized Iron Wire Rope



4-B-11613. For derrick guys, etc. Not suitable to run over drums or sheaves. Composed of 6 strands and hemp center, 7 wires to the strand.

Diam. Inches	Weight per ft.	Approx. breaking strain in tons of 2,000 lbs.	Price per ft.
3/4	0.20	1.8	\$0.05
1	0.36	3.2	.07
1 1/4	0.64	5.8	.09
1 1/2	0.81	7.3	.11
1 3/4	1.21	11.	.15
2	1.44	13.	.17

Iron Sheaves for Wire Rope



4-B-8999. These sheaves as priced below are to run loose on the shaft. We cannot furnish them bored for larger sized shaft than specified, nor can they be fitted with set screws or key seated.

Diam. Sheave Inches	Length Through Hub Inches	Size of Hole for Shaft Inches	For Diam. Wire Rope Inches	Plain Bushed Price Each
6	1 1/4	3/4	3/4	\$0.75
8	1 1/2	1	1	1.75
10	1 3/4	1 1/4	1 1/4	2.25
12	2	1 1/2	1 1/2	2.65
14	2 1/4	1 3/4	1 3/4	3.00
16	2 1/2	2	2	3.25
18	2 3/4	2 1/4	2 1/4	4.25
20	3	2 1/2	2 1/2	4.75
22	3 1/4	2 3/4	2 3/4	4.25

Jack Screws

4-B-11519. The Bell Base of these Jack Screws is made of the toughest gray iron it is possible to obtain. The screws are wrought iron, lathe turned. Every jack is tested and its carrying capacity is fully guaranteed. Levers are not furnished with the Jacks.



Diam. of screw inches	Height of stand inches	Lifting over all inches	Capac. Tons	Price Each
1 1/4	8	10 1/2	10	\$2.00
1 1/2	12	14 1/2	10	2.50
1 3/4	8	10 3/4	12	2.55
2	10	12 3/4	12	2.85
2 1/4	12	14 3/4	12	3.45
2 1/2	10	13	16	3.75
2 3/4	12	15	16	4.05
3	10	13 1/4	20	4.50
3 1/4	12	15 1/4	20	4.95
3 1/2	14	17 1/4	20	5.55
3 3/4	16	19 1/4	20	7.20
4	14	18	28	8.75
4 1/4	18	22	28	9.45
4 1/2	20	24	28	8.80

Ratchet Jacks



4-B-11521. Easily operated and can be used in close places. The stand of this Jack is made of tough gray iron and the screw is made of special steel with deep lathe cut thread.

Diameter of Screw, 2 in., height over all, 23 in., lifting capacity, 25 tons. Price, each, \$5.95

House Raising Jacks

4-B-11523. Cast iron, brand new. These screws are cast with Seamless Threads, which makes them very smooth and uniform.



Diam. Screw inches	Ht. overall inches	Price Each
3	18	\$3.65
3	20	3.90
3	24	4.50
3	30	5.30
3	36	6.15



Wire Rope Clips

4-B-11503. These clips are used to make a loop of an eye at the end of a rope without splicing.

Black

Size for rope diam. in.	Price each
1/4	5c
3/8	6c
1/2	8c
3/4	11c
1	16c
1 1/4	21c
1 1/2	24c
1 3/4	40c
2	43c
2 1/4	65c
2 1/2	70c

Wire Rope Thimbles

Galvanized



No. 4-B-11511.

Size for rope diam. in.	Price each
1/4	3c
3/8	5c
1/2	6c
3/4	10c
1	12c
1 1/4	14c
1 1/2	17c
1 3/4	30c
2	33c
2 1/4	42c
2 1/2	50c

Patent Wire Rope

Hooks and Couplings

These hooks are made of malleable iron and can be bent cold. The cheapest and simplest fastening for rope manufactured.

4-B-11513. Fig. 3. Hook

Size, inches. 3/8 1/2 5/8

Price, each. 30c 35c 45c

4-B-11515. Fig. 5. Ring

Size, inches. 3/8 1/2 5/8

Price, each. 30c 35c 45c

4-B-11517. Fig. 6. Coupling

Size, ins. 3/8 1/2 5/8

Pr., ea. 30c 35c 45c



Fig. 3



Fig. 5

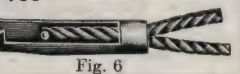


Fig. 6

Garden Implements and Tools

Tree Pruners



4-B-7575
Pruning can be done without climbing or using a ladder. Pushed complete with wood pole. The blade, being thin, offers but slight resistance incutting. Length complete, eight foot.....\$1.40



For use of lineman for cutting wires free from the branches. Also is desirable for orchard use. Is supported by a rope, tied in the end of a lever. When released the spring opens the blade. Socket is threaded and can be readily screwed on pole of any required length.

4-B-7565. Extra knives for above Pruner. Each. 25c

4-B-7567. Price is for Pruner only and does not include pole or rope. Price.....\$2.00

Two Prong Hoe



4-B-7557. Two-pronged forged tempered steel blade. Width, 3 1/4 inches, height, 9 inches. 4-foot selected hardwood handle. Strong and durable. Price, each.....40c

Warren Pattern Hoe



4-B-7559. Polished steel blade, 6 1/2 ins. wide, 7 1/2 ins. deep. Selected hardwood handle, 4 1/2 feet long. Made in superior manner. Price, each.....57c

Weeding Hoe and Rake



4-B-7561. Polished steel blade, 6 1/2 inches wide, 7 1/2 inches deep. Selected hardwood handle, 4 1/2 feet long. Made in superior manner. Price, each.....\$1.05

Hand Cultivator



4-B-7555. Strong and substantial. Has 5-foot pointed forged tempered steel teeth. 4-foot selected hardwood handles. Price.....90c

Grub Hoe Handle



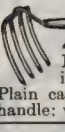
4-B-7521. Selected Hickory handle, length, 36 inches. Price, each.....34c

Steel Manure Hook



4-B-7533. Made in a strong, durable manner. With four 9-inch forged crucible steel oval tines. 6-foot selected straight hardwood handle, plain capped ferrule, riveted through handle, will not pull off. Price.....\$1.15

Steel Potato Hook



4-B-7535. Made in a strong, durable manner. Four diamond back crucible tines; length, 6 1/2 inches; 4 1/2-foot extra quality hardwood handle. Plain capped ferrule, riveted through handle; will not pull off. Price.....\$1.05

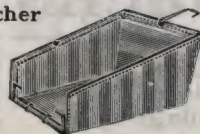
Solid Socket Field Hoe



4-B-7551. A heavy, strongly made, durable Hoe. Suitable for any general field work. Blades are made of high grade forged steel. Heavy one piece steel sockets. Extra quality hardwood handles. 7-inch hoe has 5-foot handle; other sizes, 4 1/2 feet. Width of blade, inches..... 6 6 1/2 7 Price, each..... 70c 75c 80c

Grass Catcher

4-B-7649. Adjustable grass catcher. Made of striped canvas, galvanized steel bottom, steel wire frame to fit 12 to 14 inch mower.....95c



4-B-7651. To fit mowers 16 to 20 inches wide. Price, each.....\$1.05

MALLE-ABLE IRON RAKES

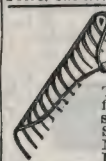


4-B-7563. Made in a superior manner and an excellent value. Hardwood handle; length, 5 1/2 feet. Number of Teeth..... 12 14 Price, each..... 50c 56c

REVERSIBLE LAWN RAKES

4-B-7513. A great favorite. Can be used for grass or leaves, has 24 heavy steel wire teeth. 6-foot selected hardwood handle. Price, each.....70c

BRACED STEEL GARDEN RAKE



4-B-7537. The very best garden rake made, fitting head in one piece of solid steel. Steel bows well braced. Selected hardwood handles. No. of Teeth..... 12 14 Length handle, feet, 5 1/2 6 Price, each.....\$1.05 \$1.10

CALIFORNIA PATTERN PRUNING SHEARS

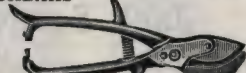
4-B-7545. Extra quality black finish steel blade, malleable handle, volute steel spring. Length, 9 inches. 2 1/2-inch blade. Price, each.....75c



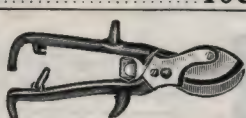
4-B-7547. Extra Quality California Pruning Shears. Bright nickel plated. 2 1/2-inch finely tempered steel blade. Length, 9 inches. Fully warranted.....\$1.20

PRUNING SHEARS

4-B-7539. Malleable iron handles. Spiral brass spring and link. Length, 9 inches; 2 1/4 inch steel blades. Price, each.....10c



4-B-7541. Henry Pattern Pruning Shears. With a volute steel spring. Black japanned handles. Fine tempered steel blade. Length, 8 1/4 inches. Fully warranted. Price.....45c



Manure Forks

4-B-7527. Strong, durable fork, exceptionally well made. Has 12-inch polished crucible oval steel tines. 4 1/2-foot extra quality bent hardwood handle. Capped and strapped ferrules. No. of tines..... 4 5 6 Price, each..... \$1.25 \$1.45 \$1.75

4-B-7531. Extra well made. Has 12-inch polished crucible oval steel tines. Extra quality bent hardwood handle, malleable "D" heads, hardwood grips. Capped and strapped ferrules. No. of tines..... 4 5 6 Price, each..... \$1.30 \$1.70 \$1.90

LONG HANDLE MANURE FORKS

4-B-7525. A strong, well made fork. 12-inch oval polished crucible steel tines. 4 1/2-foot selected bent wood handle. Plain capped ferrule. No. of tines..... 4 5 6 Price, each..... 89c \$1.10 \$1.70

"D" HANDLE MANURE FORKS

4-B-7529. Strongly made and well finished. Polished oval steel tines. Selected bent wood handle, malleable "D" heads, hardwood grips. Plain capped ferrules. No. of tines..... 4 5 6 Price, each..... 90c \$1.34 \$1.53

Lawn Mowers



\$6⁷⁵
and
up

These **Light Running Lawn Mowers** are manufactured especially for us in one of the most modern lawn mower factories in this country. These machines embody all latest improvements. The simple construction and quick adjustment being special features of our lawn mowers.

The Eureka and Premier Mowers are **Ball Bearing** type and are guaranteed by us to be the equal of any lawn mower manufactured regardless of price.

Our Comet Mower is of the **Bronze Roller Bearing** type and second in quality only to our ball bearing mowers. Every lawn mower is guaranteed perfect in material and workmanship and will give lasting satisfaction.

Comet Lawn Mower

Wheels 8 3/8 inches. High grade brass bearings. Three blade, 5 1/2 inch cutting cylinder, continuous shearing. Well made, accurately adjusted.

Number	Blade, inches	Weight, pounds	Price, Each
4-B-7601	12	40	\$6.75
4-B-7603	14	42	7.15
4-B-7605	16	44	7.50

Premier Lawn Mower

Ball bearing. Drive wheels, 10 inches in diameter with extended rim. The ratchet is noiseless and positive in action. Four crucible steel blades, finely tempered. Easily adjusted.

Number	Blade, inches	Weight, pounds	Price, Each
4-B-7603	14	53	\$11.95
4-B-7611	16	56	12.50
4-B-7613	18	59	13.00
4-B-7615	20	62	13.80

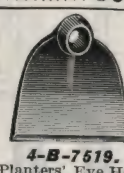
Eureka Lawn Mower

A ball bearing, 9-inch wheel with extended rim, four fine tempered and ground crucible steel blades. Cutter bar knife is strong and ground to accurate edge. Cutter bar knife is adjustable.

Number	Blade, inches	Weight, pounds	Price, Each
4-B-7645	14	46	\$10.90
4-B-7646	16	48	11.25
4-B-7647	18	50	11.60

Hazel or Planter's Eye Hoe Handle

4-B-7523. Selected Hickory Handle, length, 5 1/2 ft. Price, each.....40c

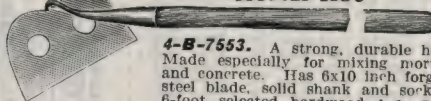


4-B-7517. Adze Eye Hazel Hoe. 6 inches wide, 10 inches long. Weight, about 3 pounds. Price.....97c

4-B-7515. Adze Eye Grub hoe. 4-inch cut, weight, about 3 1/2 lbs.....59c

4-B-7619. Planter's Eye Hoe. Solid forged steel. Weight, about 1 1/2 lbs. Size, inches..... 7 8 Price, each..... 45c 47c 51c

Mortar Hoe



4-B-7553. A strong, durable hoe. Made especially for mixing mortar and concrete. Has 6x10 inch forged steel blade, solid shank and socket. 6-foot selected hardwood handle. Price, each.....\$1.30

Hose for All Purpose Use!



**Will
Not
Kink**

Moulded Braided Garden Hose

The most popular, durable rubber garden hose on the market is the moulded constructed. It will not kink like the ordinary wrapped hose as it is moulded under high pressure both external and internal. No seams in either the duck or rubber and will stand the highest water pressure. All high grade Brand New Stock, guaranteed to satisfy.

Lot No. 3-B-33. Size, $\frac{5}{8}$ -inch inside single braid non-kinking, black corrugated moulded hose, furnished with standard $\frac{3}{4}$ -inch brass couplings, attached each end.

25-Foot Lengths, with couplings attached \$2.65
50-Foot Lengths, with couplings attached 5.10

Cut in any lengths, per foot $9\frac{3}{4}$ c
Couplings attached, extra per set 25c

Lot No. 3-B-34. Size, $\frac{3}{4}$ -inch inside, single braid, non-kinking, black corrugated moulded hose, furnished with standard $\frac{3}{4}$ -inch brass couplings.

25-Foot Lengths, with couplings attached \$3.00
50-Foot Lengths, with couplings attached 5.85

Cut in any lengths, per foot $11\frac{1}{4}$ c
Couplings attached, extra per set 25c

Lot No. 3-B-35. Size, $\frac{3}{4}$ -inch inside, double braid, non-kinking, red corrugated moulded hose, furnished with standard $\frac{3}{4}$ -inch brass couplings attached each end.

25-Foot Lengths, with couplings attached \$3.40
50-Foot Lengths, with couplings attached 6.55

Cut in any lengths, per foot $12\frac{3}{4}$ c
Couplings attached, extra per set 25c

Brass Hose Nozzle

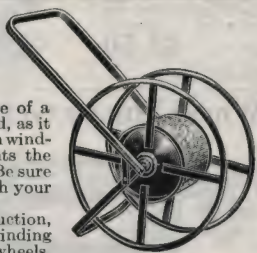
3-B-55. Adjustable from fine stream to complete shut-off. Size for $\frac{3}{4}$ " hose coupling. Price, each 50c



All Steel Hose Reel

3-B-47. The use of a reel is recommended, as it drains the hose when winding in; also prevents the unnecessary wear. Be sure and order a reel with your hose.

All steel construction, galvanized iron winding drum; strong steel wheels, capacity 100 feet of $\frac{3}{4}$ -inch hose. Price, \$2.25



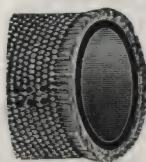
Whirlwind Revolving Lawn Sprinkler

\$1.35

3-B-49. The most popular Sprinkler offered. Brass head and arms. Sprinkler's height is 12 inches, with three 6-inch brass arms. Has loose swivel in sled. Covers a large area. The head is easy running and will operate equally as well under a low as a high pressure. This is a very handsome lawn fixture and can be placed anywhere without shutting off the water. Will fit $\frac{3}{4}$ " couplings. Price, each \$1.35



Cotton Rubber Lined Fire Hose



3-B-42. For fire protection purposes. This is a single jacketed cotton rubber lined mill hose, tested to 250 pounds and furnished complete with automatic brass couplings which require no clamps. Every length fully guaranteed. In ordering, be sure and state whether the couplings are to fit standard iron pipe or hose thread.

Inside Diameter Inches	Price Per Length 25 Feet	Price Per Length 50 Feet
1 $\frac{1}{4}$	\$ 5.85	\$10.40
1 $\frac{1}{2}$	6.55	11.65
2	9.00	15.55
2 $\frac{1}{2}$	10.90	19.00

High Grade Steam Hose

3-B-40. This is an extra high grade hose, the inner tube of which is specially compounded to resist the action of heat. Walls are made of heavy duck and guaranteed fully in every particular. Furnished in multiples of 5 ft. only up to 50 ft. Couplings and clamps at small extra charge if desired.

Inside Diameter Inches	3-Ply for 25 lbs. steam or less per ft.	4-Ply for 35 lbs. steam or less per ft.	5-Ply for 50 lbs. steam or less per ft.	6-Ply for 75 lbs. steam or less per ft.
$\frac{1}{2}$	18c	21c		
$\frac{3}{4}$		27c	33c	
1		33c	41c	48c
1 $\frac{1}{4}$		39c	50c	59c
1 $\frac{1}{2}$		47c	59c	71c

Moulded Water Hose for General Purposes

This is a high grade moulded hose that will not kink like the ordinary wrapped fabric hose. Cut in any lengths. Furnished with or without couplings attached.

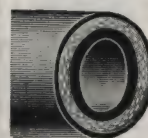
Inside Diam. Inches	Braid	Price per Foot	Cpls. Attd. Per Set
1	2	18c	35c
1 $\frac{1}{4}$	2	20c	35c
1 $\frac{1}{2}$	2	22c	35c
1 $\frac{3}{4}$	3	24c	75c
1 $\frac{1}{2}$	2	24c	\$1.00
1 $\frac{3}{4}$	3	36c	1.00
1 $\frac{1}{2}$	4	48c	1.00

Two Inch Tank Suction Hose



3-B-46. This is the regular standard Thresherman's Suction Hose, with steel wire inserted in walls to prevent collapsing. Has enlarged rubber ends and will fit over 2-inch tank pump connection. Sold in lengths of 10, 15, 20 and 25 feet only. Size, inside diameter, 2 inches. Clamps furnished if desired at 20c each extra. Price, per foot 43c

Hard Rubber Suction Hose



3-B-43. Hard Rubber Suction Hose, smooth bore, extra heavy walls which will prevent collapsing when in use. Sold in lengths in multiples of 5 feet to 50 feet inclusive. Couplings and clamps can be furnished if desired at small extra cost.

Size, inches.....	$\frac{3}{4}$	1	1 $\frac{1}{4}$	1 $\frac{1}{2}$
Price, per foot...	18c	22c	29c	36c

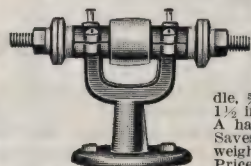
New Hose Remnants!

This is a miscellaneous lot of new hose in remnants and regular lengths at bargain prices. Couplings if desired at small extra charge. Subject to prior sale. Order by Lot No. 3B50.

16-15' lgths. 1	" 2 braid moulded water hose, ea.	\$2.25
24-20' lgths. 1	" 2 braid moulded water hose, ea.	3.00
9-25' lgths. 1	" 2 braid moulded water hose, ea.	3.75
10-30' lgths. 1	" 2 braid moulded water hose, ea.	4.50
4-35' lgths. 1	" 2 braid moulded water hose, ea.	5.25
9-40' lgths. 1	" 2 braid moulded water hose, ea.	6.00
10-15' lgths. 1	" 3 braid moulded water hose, ea.	3.00
20-20' lgths. 1	" 3 braid moulded water hose, ea.	4.00
20-25' lgths. 1	" 3 braid moulded water hose, ea.	5.00
14-30' lgths. 1	" 3 braid moulded water hose, ea.	6.00
10-35' lgths. 1	" 3 braid moulded water hose, ea.	7.00
39-15' lgths. 1 $\frac{1}{4}$	" 2 braid moulded water hose, ea.	3.15
18 20' lgths. 1 $\frac{1}{4}$	" 2 braid moulded water hose, ea.	4.20
26-25' lgths. 1 $\frac{1}{4}$	" 2 braid moulded water hose, ea.	5.25
26-30' lgths. 1 $\frac{1}{4}$	" 2 braid moulded water hose, ea.	6.30
30-35' lgths. 1 $\frac{1}{4}$	" 2 braid moulded water hose, ea.	7.35
14-15' lgths. 1 $\frac{1}{4}$	" 3 braid moulded water hose, ea.	3.45
8-20' lgths. 1 $\frac{1}{4}$	" 3 braid moulded water hose, ea.	4.50
9-25' lgths. 1 $\frac{1}{4}$	" 3 braid moulded water hose, ea.	5.75
11-30' lgths. 1 $\frac{1}{4}$	" 3 braid moulded water hose, ea.	6.90
14-35' lgths. 1 $\frac{1}{4}$	" 3 braid moulded water hose, ea.	8.05
18-15' lgths. 1 $\frac{1}{4}$	" 2 braid moulded water hose, ea.	3.30
31-20' lgths. 1 $\frac{1}{4}$	" 2 braid moulded water hose, ea.	4.40
25-25' lgths. 1 $\frac{1}{4}$	" 2 braid moulded water hose, ea.	5.50
22-30' lgths. 1 $\frac{1}{4}$	" 2 braid moulded water hose, ea.	6.60
10-35' lgths. 1 $\frac{1}{4}$	" 2 braid moulded water hose, ea.	7.70
32-15' lgths. 1 $\frac{1}{4}$	" 3 braid moulded water hose, ea.	4.50
40-20' lgths. 1 $\frac{1}{4}$	" 3 braid moulded water hose, ea.	6.00
25-25' lgths. 1 $\frac{1}{4}$	" 3 braid moulded water hose, ea.	7.50
30-30' lgths. 1 $\frac{1}{4}$	" 3 braid moulded water hose, ea.	9.00
37-35' lgths. 1 $\frac{1}{4}$	" 3 braid moulded water hose, ea.	10.50
15-15' lgths. 1 $\frac{1}{4}$	" 4 braid moulded water hose, ea.	5.85
10-20' lgths. 1 $\frac{1}{4}$	" 4 braid moulded water hose, ea.	7.80
4-25' lgths. 1 $\frac{1}{4}$	" 4 braid moulded water hose, ea.	9.75
8-30' lgths. 1 $\frac{1}{4}$	" 4 braid moulded water hose, ea.	11.70
10-35' lgths. 1 $\frac{1}{4}$	" 4 braid moulded water hose, ea.	13.65
10-25' lgths. 2	" 3 braid moulded water hose, ea.	11.25
9-30' lgths. 2	" 3 braid moulded water hose, ea.	13.50
15-35' lgths. 2	" 3 braid moulded water hose, ea.	15.75
22-40' lgths. 2	" 3 braid moulded water hose, ea.	18.00
25-45' lgths. 2	" 3 braid moulded water hose, ea.	20.25
18-50' lgths. 2	" 3 braid moulded water hose, ea.	22.50
8-15' lgths. $\frac{3}{4}$	" hard rubber suction hose, ea.	2.70
7-20' lgths. $\frac{3}{4}$	" hard rubber suction hose, ea.	3.60
8-25' lgths. $\frac{3}{4}$	" hard rubber suction hose, ea.	4.50
2-45' lgths. $\frac{3}{4}$	" hard rubber suction hose, ea.	8.10
3-15' lgths. 1	" hard rubber suction hose, ea.	3.15
1-19' lgth. 1	" hard rubber suction hose, ea.	4.10
5-20' lgths. 1	" hard rubber suction hose, ea.	4.20
4-25' lgths. 1	" hard rubber suction hose, ea.	5.25
4-20' lgths. 1 $\frac{1}{4}$	" hard rubber suction hose, ea.	5.40
9-25' lgths. 1 $\frac{1}{4}$	" hard rubber suction hose, ea.	6.75
3-35' lgths. 1 $\frac{1}{4}$	" hard rubber suction hose, ea.	9.45
3-10' lgths. 1 $\frac{1}{4}$	" hard rubber suction hose, ea.	3.40
5-20' lgths. 1 $\frac{1}{4}$	" hard rubber suction hose, ea.	6.80
1-10' lgth. 1 $\frac{1}{4}$	" 6 ply steam hose, ea.	3.50
1-10' lgth. 1 $\frac{1}{4}$	" 6 ply steam hose, ea.	4.00
2-10' lgth. $\frac{3}{4}$	" gasoline hose, ea.	2.50
1-12' lgth. $\frac{3}{4}$	" gasoline hose, ea.	3.15
3-12' lgth. $\frac{3}{4}$	" gasoline hose, ea.	3.60
$\frac{3}{4}$ " triple braid moulded welding or air hose, any length, ft.		.09
1-20' lgth. $\frac{1}{2}$ "	" 4 ply iron clad welding hose, ea.	3.50
1-10' lgth. 1	" 5 ply iron clad welding hose, ea.	2.25

Two-Wheel Power Emery Grinders

No. 1 Two-Wheel Emery Grinder

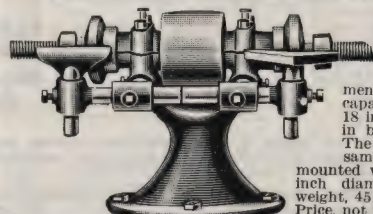


\$3.95

3-B-587. This sturdy little machine runs two wheels. Recommended size, 8x1. Maximum wheel capacity, 8x1. Has 3/4 inch steel spindle, 1 1/2 inch between flanges, pulley 1 1/4 inch diameter, 1 1/2 inch face. Just the thing for the small work shop. A handy little grinder that you will use constantly. Saves your time and lessens your work. Shipping weight, 15 pounds. Price, not including stones **\$3.95**

No. 1 Column, weight 50 lbs **\$6.95**
6-Inch Wheel Guards, weight 9 lbs., per pair **1.80**

No. 3 Two-Wheel Emery Grinder



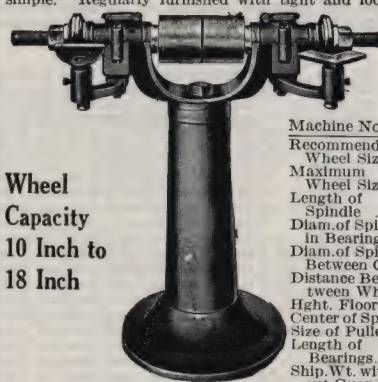
\$13.75

3-B-589. Emery Grinder. Will run two wheels. Recommended size, 10x1 1/2, maximum wheel capacity, 12x2. Has a steel spindle 18 inches long and 1 1/4 inch diameter in bearings, 1 inch between flanges. The bearings are 3 inches long, and same style as engine-lathe bearings, mounted with brass oil cups. Pulley 3 1/2 inch diameter, 2 3/4 inch face. Shipping weight, 45 lbs. Price, not including stones **\$13.75**

No. 3 Column, weight 80 lbs **\$11.80**
10-Inch Wheel Guards, weight 28 lbs., per pair **3.75**

Blacksmith and Garage Grinders, \$23.85

These high grade Blacksmith and Garage Grinders, made in three sizes with wheel capacity of 10 to 18 inches. Strongly constructed; Babbitted long bearings; covered oil lubricators and longer in distance between wheels than average grinders of same capacity, making grinding of shares and irregular shaped castings very simple. Regularly furnished with tight and loose pulley, but single pulley furnished at same price when specified. Tool rests strong and adjustable. Largest size suitable for small foundry work.



SPECIFICATIONS

Machine No.	3-B-C5	3-B-15	3-B-05
Recommended Wheel Size.	10x2	14x2 1/2	16x2 1/2
Maximum Wheel Size.	12x2 1/2	16x3	18x3
Length of Spindle	24"	32"	40"
Diam. of Spindle in Bearing	1 1/4"	1 3/4"	1 1/2"
Diam. of Spindle Between Col.	1"	1 1/4"	1 1/4"
Distance Between Wheels	17"	22"	29"
Hght. Floor to Center of Spn.	36"	30"	30"
Size of Pulleys	3 3/4 x 3	4 1/2 x 4	4 1/2 x 4
Length of Bearings	4"	6"	8"
Ship. Wt. without Guards.	100 lbs.	150 lbs.	225 lbs.
Shipping Wt. of Guards...	28 lbs.	45 lbs.	55 lbs.
Price without Rests.	\$19.25	\$25.55	\$35.55
Price Extra for Rests.	2.70	3.50	4.20
Price Extra for Guards.	5.50	5.05	7.00
Price Complete.	23.85	34.15	46.75

Wheel Capacity
10 Inch to
18 Inch

Price without Rests. **\$19.25**
Price Extra for Rests. **2.70**
Price Extra for Guards. **5.50**
Price Complete. **23.85**

"Premier" Corundum Wheels

These wheels are made with the grain running from fine to coarse and of proper hardness to meet the requirements for any kind of grinding.

When ordering be sure and state what kind of material you wish to grind. Whether it is for steel or iron or for edge tools and if for wet or dry grinding. Always mention number, diameter and thickness of wheel and size of hole in center.



No. 3-B-2528.

PREMIER SPECIAL SAW GUMMER-CORUNDUM WHEELS

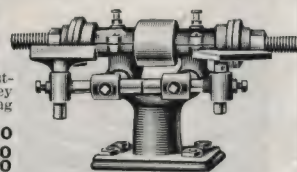
These wheels are made especially for saw gumming purposes and are guaranteed not to burn or harden steel. They cut fast and leave the saw teeth free from burrs or rough edges.

When ordering be sure and state diameter, thickness of wheel and size of hole in center. 3-B-2659, Round Face; No. 3-B-2660, Bevel Face.

Diameter	Thickness, Inches			
	1/4	3/8	1/2	3/4
6 Inches.	\$0.75	\$0.85	\$0.90	\$1.10
8 Inches.	1.00	1.15	1.30	1.65
10 Inches.	1.25	1.45	1.65	2.00
12 Inches.	1.50	1.75	2.00	2.30
14 Inches.	1.75	2.00	2.30	2.65

No. 2 Two-Wheel Emery Grinder, \$7.90

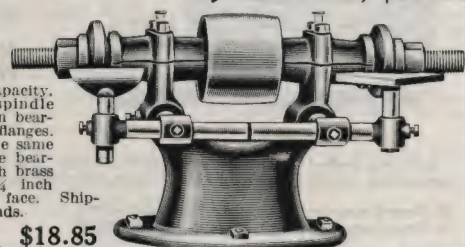
3-B-588. This machine will run two wheels. Recommended size, 8x1 1/4, maximum wheel capacity, 10x1 1/2. Has a steel spindle 1 1/2 inch in bearing, 3/4 inch between flanges. The bearings are 2 inches long, made with caps, and are adjustable. Mounted with brass oil cups, pulley 2 3/4 inch diameter, 2 inch face. Shipping weight, 25 lbs. Price, not including stones **\$7.90**



No. 4 Two-Wheel Emery Grinder, \$18.85

3-B-590.

Emery Grinder. Will run two wheels. Recommended wheel size, 12x2; maximum wheel capacity, 14x2. Has steel spindle 1 3/4 inch diameter in bearings, 1 inch between flanges. The bearings are the same style as engine-lathe bearings. Mounted with brass oil cups, pulley 4 1/4 inch diameter, 3 1/2 inch face. Shipping weight, 75 pounds. Price, not including stones **\$18.85**

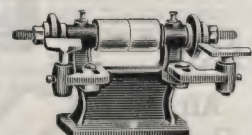


No. 4 Column, weight 100 lbs **\$14.70**
12-Inch Wheel Guards, weight 38 lbs., per pair **5.30**
14-Inch Wheel Guards, weight 45 lbs., per pair **7.30**

No. 10 Two-Wheel Emery Grinder, \$3.50

WITH TIGHT AND LOOSE PULLEYS

3-B-407. A durable grinder for light tool and general work; will run two wheels. Recommended wheel size, 6x1, maximum wheel capacity, 7x1 1/4. Has steel spindle, 10 1/2 inches long, pulley, 2 1/4 inch diameter by 1 1/4 inch face, 3/4 inch between flanges. Tool rests can easily be adjusted or removed. Shipping weight, 20 lbs. Price, not including stones **\$3.50**

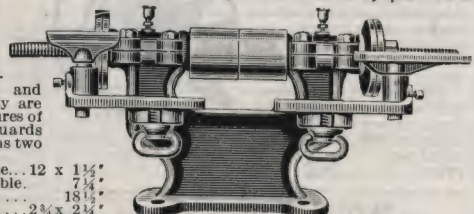


Wheel Guards, weight 9 lbs., per pair **\$1.35**

No. 400 Two-Wheel Emery Grinder, \$10.55

WITH TIGHT AND LOOSE PULLEYS

Long Babbitted bearings, easily adjusted tool rests and large wheel capacity are the distinctive features of this machine. Guards attach to head. Runs two wheels 10x1 1/4. Maximum wheel size... 12 x 1 1/4. Height spindle to table... 17 1/2. Length of spindle... 14. Size of pulleys... 2 1/4 x 2 1/4. Bore of wheel... 3/4. Dist. between wheels... 12. Shipping weight, 42 lbs. Column for No. 400, weight 85 lbs. Wheel Guards, weight 25 lbs., per pair **\$3.95**

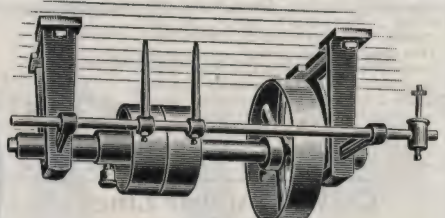


3-B-406. Price, \$10.55
Not including stones.

Column for No. 400, weight 85 lbs. **\$14.30**
Wheel Guards, weight 25 lbs., per pair **3.95**

Counter-shafts

These countershafts are of superior construction and guaranteed to be in perfect alignment. They are furnished complete with drive pulley, tight and loose pulleys, hangers, shifting rod and belt shifter.



3-B-597. Size No. 1.
Size of Drive Pulley... 8x2 inches
Size of Tight and Loose Pulleys... 4x2 inches
Length of Shaft... 18 inches
Drop of Hanger... 6 inches
Diameter of Shaft... 1/2 inch
Shipping Weight... 40 lbs.
Price... **\$7.70**
Will fit our No. 1 Bench Emery Grinder.

3-B-599. Size No. 3.
Size of Drive Pulley... 10x3 1/2 inches
Size of Tight and Loose Pulley... 5x3 inches
Drop of Hanger... 8 inches
Length of Shaft... 24 inches
Diameter of Shaft... 1 inch
Shipping Weight... 60 lbs.
Price... **\$11.95**
Will fit our No. 3 Bench Emery Grinders.

3-B-598. Size No. 2.
Size of Drive Pulley... 9x2 1/2 inches
Size of Tight and Loose Pulley... 4x2 inches
Length of Shaft... 21 inches
Drop of Hanger... 6 inches
Diameter of Shaft... 1/2 inch
Shipping weight... 55 lbs.
Price... **\$9.90**
Will fit our No. 2 Bench Emery Grinder.

3-B-600. Size No. 4.
Size of Drive Pulley... 12x4 inches
Size of Tight and Loose Pulley... 5x3 inches
Drop of Hanger... 8 inches
Length of Shaft... 26 inches
Diameter of Shaft... 1 1/4 inches
Shipping Weight... 70 lbs.
Price... **\$15.80**
Will fit our No. 4 Bench Emery Grinder.

Improved Farm Implements

"All Purpose" Feed Grinder and Cob Crusher

3-B-7200. Made in two sizes, built entirely of steel and iron. Will grind ear corn, shelled corn, barley, rye, oats and any kind of grain separately or mixed. Burrs easily regulated for coarse or fine grinding, while machine is in motion. Cob breakers are bolted to sides and bottom of main frame; made of hard chilled iron, arranged in spiral fashion. All bearings fully babbitted. Burrs made of most durable metals for long service, being "Crown-foot Pattern."



Ball Bearing End Thrust

\$21⁴⁵

No. 3 machine with two sets of 8-inch burrs, 35 lb. balance wheel pulley size, 8x6 inches, capacity, 10 to 30 bushels per hour, requiring from 3 to 6 H.P., speed, 300 to 700. Weight, 245 lbs. Price.....**\$21.45**

Extra burrs, coarse or fine, per set.....**\$1.35**

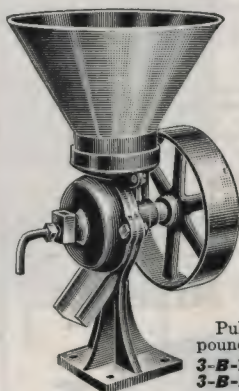
No. 14 Machine with two sets of 10-inch burrs, 55 lb. balance wheel, pulley size, 12x6 inches, capacity, 20 to 60 bushels per hour, requiring from 7 to 12 H.P., speed, 400 to 700. Weight, 355 lbs. Price.....**\$29.90**

Extra burrs, coarse or fine, per set.....**\$ 1.65**

5 ft. double sacking elevator for either size.....**13.00**

10 ft. wagon box elevator with swing spout for either size.....**17.55**

Harris Feed Mill



An excellent little mill for light power; taking up small space, just the machine you want where a limited amount of grinding is to be done. Built especially for engines from 1½ to 4 H. P. Capacity, 5 to 22 bushels per hour at 150 to 400 r. p. m., depending on H. P.

Will grind shelled corn, wheat, oats, speltz, barley, rye and all kinds of small grain separately or mixed.

It is built entirely of iron and steel and every part is strong enough to resist six times the actual working strain.

The bearings are long and lined with a high grade babbitt and can be oiled while mill is running.

The burrs are 5½ inches in diameter, ground perfectly true. Can be adjusted for fine or coarse grinding while running.

Pulley, 12 inches diameter, 3-inch face, weight, 60 pounds. Furnished with 2 sets burrs.

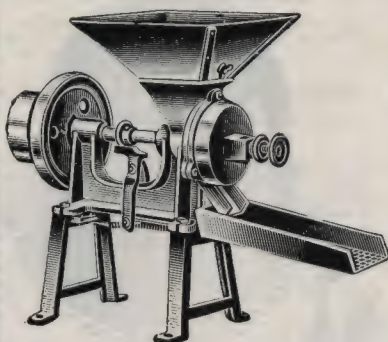
3-B-7117. Price, complete.....**\$7.15**

3-B-7118. Extra Burrs, coarse or fine, per set.....**90c**

3-B-7119. Balance Wheel, 15 lbs.....**\$1.30**

"Up-To-Date" Meal Maker and Feed Grinder

Our "Up-To-Date" meal maker is a combined feed grinder for stock and meal and flour maker for family and table use. It is built for engines or motors from 1½ to 4 H. P. The burrs are 5½ inches diameter, ground perfectly true, and made of the same hard white iron as used in the larger mills. They can be adjusted for fine or coarse grinding while running. It is furnished with Bolting Screen, fitted with cast iron legs and balance wheel like illustration. The perforated bolting attachment is operated by the roller cam and bolts Corn Meal, Graham Flour, etc. Grinds shelled corn, wheat, oats, speltz, barley, rye and all kinds of small grain separately or mixed.



Pulley, 7 inch diameter, 4 inch face or 12 inch diameter, 3 inch face. Furnished with 2 sets of burrs. Capacity 5 to 22 bushels per hour at 150 to 400 r. p. m., depending upon H. P. used.

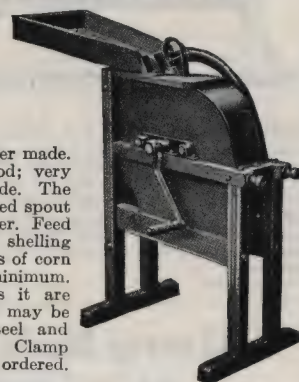
Shipping weight, about 100 lbs.

3-B-105. Improved meal maker complete with 2 sets 5½ inch burrs, bolting attachment, legs and balance wheel. Price, complete.....**\$13.20**

Extra burrs, coarse or fine, per set, weight, 3 lbs.....**90c**

Harris Leader Round-End One-Hole Corn Sheller

\$11⁷⁰ Efficient and Durable



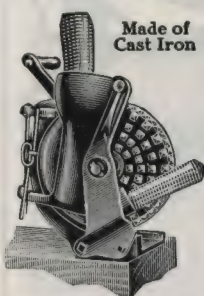
Most popular style hand corn sheller made. Framework made of heavy hardwood; very firm and rigid; crank on right hand side. The feed table is securely bolted to the feed spout and supported by corner posts of sheller. Feed spout is placed directly over the shelling wheels and as shelling wheels grip ears of corn firmly labor of feeding is reduced to a minimum. Rag-iron and spring which controls it are adjustable and when set any size ear may be shelled. Shafting is cold rolled steel and balance wheel is large and very heavy. Clamp pulley to run by power furnished when ordered. Weight, 140 lbs.

3-B-8067 Price complete with fan and feed table.....**\$11.70**

3-B-8068 Clamp Pulley (8x2) with bolts for attaching for running by power.....**.80**

3-B-8070 Square End, Two-Hole Corn Sheller complete with Cob Carrier, Fan, Feed Table, Crank and pulley 8x4, to run by hand or power, weight 240 lbs.....**26.00**

Harris Hand Corn Sheller



Made of Cast Iron

Handiest and most complete Corn Sheller on the market. This little cast iron corn sheller cannot be equalled for convenience and general utility. It is so simple that there is nothing about it to get out of order and so strong that it will not break.

It can be adjusted to shell large or small ears with equally good results. The adjusting shell is held against the ear of corn by a spring, the tension of which is easily and quickly adjusted. This shell forces the ear of corn against the shelling wheel and causes the ear to revolve so that the corn is shelled from the ear clean. The shelled corn is dropped into the box to which the sheller is fastened, and the ears are dropped outside.

3-B-8061. Weight, 15 lbs. Price.....**\$1.05**

Harris Hand Grist Mill



An improved hand power grinding mill, made in two sizes, for grinding all kinds of grain, dry bone, shells, root bark, salt, etc. The best all around family mill producing cracked wheat, graham flour, and cornmeal, cracked ground corn or other grain of any fineness for feeding young chicks or grown fowls. Adjustable to grind fine or coarse without the use of a wrench. Burrs are made of Steel Alloy Metal.

3-B-8037. No. 1 size, 13" high, 8¼" wide, 12" wheel, weight 22 lbs. Price.....**\$2.35**

Extra Burrs, per set.....**.55**

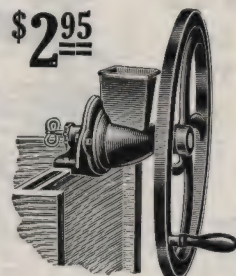
3-B-8039. No. 2 size, 16" high, 9½" wide, 16" wheel, weight 37 lbs. Price.....**\$4.00**

Extra Burrs, per set.....**.75**

Harris Hand Bone Mill

This little grinder reduces the cost of bone meal to mere labor.

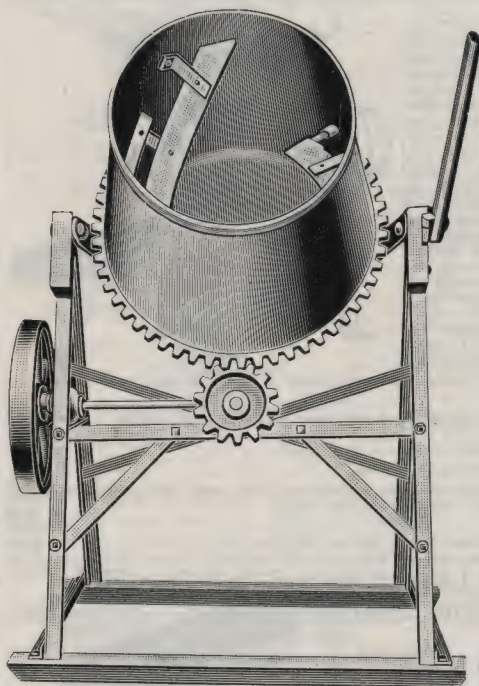
\$2⁹⁵



Teeth are strong and coarse and will not grind corn for family use. Fresh bones should be allowed to become thoroughly dry before grinding. It will grind oyster shells, dried bones, gravel, old crockery, cracked corn, and other coarse feed for chickens. Can be adjusted to grind fine or coarse. The crusher is cone shaped, which crushes the product first, then it passes into the coarse grinding plates. This is a much better way than many other mills made with stationary burrs.

3-B-8021. Weight, 35 lbs. Price.....**\$2.95**

CONCRETE MIXERS



\$49⁷⁵

Capacity
3 to 3½ Cu. Ft.

Mixes
a Batch
Every
Minute

Use 1½ H. P.
Engine

Made throughout of the best iron and steel with patented reverse unloading gear which forces a discharge by merely tipping the drum. Perfectly balanced and easy to work. Note the extreme simplicity of construction—the few number of parts. Everything easy to get at, nothing to get out of order to delay your work. Operates perfectly by hand or with a 1½ horse-power engine.

8-B-364. Harris concrete mixer for hand or power drive; pulley size, 16x3 inches; width, overall, 3 feet 6 inches; height, overall, 4 feet 6 inches; shoveling height, 3 feet; capacity, 3 to 3½ cubic feet; power required, 1½ H. P.; weight about 300 pounds.
Sale price, each **\$49.75**

Harris Special Model Concrete Mixer Trailer



\$115

20 to 40
Cubic
Yards
Per
Day

Built with the two-handle dump lever

SPECIFICATIONS

Truck—Wheels are 30"x3" regular Ford wheels; 30"x3" Pneumatic Tires of standard brand, with high grade tubes; tread is 4' 6"; axle is 1½" axle steel; heavy brackets thoroughly fastened to axle by steel U-bolts support frame on axle; wheel hubs are steel, fitted with standard Ford bearings.

Frame—Bed Frame is made of 2"x3" angle. The rear standard supports are made of ½"x2" flats; the front standard of 5" channel. The tongue is made of 1½" extra heavy pipe and is of the disappearing type; that is, it can be pushed back in under the machine when in use.

Drum—The mixing drum is 27" in diameter and 24" deep and has an 18" opening. It contains no moving parts to wear, break or cause trouble. The rotation of the drum, combined with its shape and with the aid of four heavy mixing plows or blades, imparts to the batch a rolling, tumbling, plowing, churning motion that insures a thorough mix in one minute's time.

8-B-409. Length overall, 63" without tongue; width, 52"; height, 60".
Price, without engine. **\$115.00**

Harris Model "4" Mixer



\$89⁷⁵

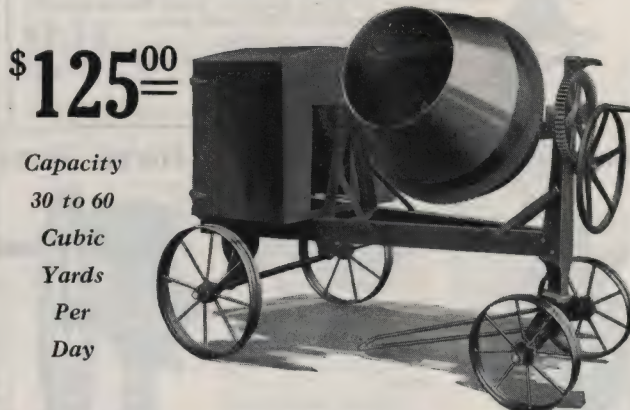
Capacity
20 to 40
Cubic
Yards
Per
Day

This machine has a capacity of four cubic feet of loose material per batch or from twenty to forty cubic yards of mixed concrete per day. The front wheels are 18" in diameter; rear wheels 24" in diameter; tires are 3" wide; tread in rear is 46" and in front 28"; axles are 1½" steel and tongue is 44" long.

The mixing drum is 27" in diameter and 24" deep and has 18" opening. It contains no moving parts to wear, break or cause trouble. The rotation of the drum combined with its shape and the action of the four heavy mixing plows impart to the batch a rolling, tumbling, shifting, falling motion that insures a thorough mixing of the materials.

8-B-411. Overall dimensions are: length, 6' 4"; width, 4'; height, 5' 6"; weight, 1,100 pounds. Shoveling height, 3' 4".
Price, without engine **\$89.75**

Harris Model "6" Mixer



\$125⁰⁰

Capacity
30 to 60
Cubic
Yards
Per
Day

8-B-413. Our Number "Six" mixer has a batch capacity of six cubic feet of loose material and a daily capacity of 30 to 60 cubic yards of mixed concrete.

The front trucks are 18x3" with 28" tread; rear trucks are 24x3" with 48" tread; axles are 1½" rolled steel; tongue is 44" long.

The mixing drum on this Number Six model is 31" in diameter by 28" deep and the opening is 21".

The length overall is 7'; width, 4' 4"; height, 6'; weight 1,650 lbs.; shoveling height, 3' 6".
Price, without engine. **\$125.00**

Vault Doors, Lockers, Cabinets

Fire-Proof Vault Doors



Made for use in Court Houses, Banks, Offices, Insurance Companies, Post Offices or any place where Fire Proof Safes have been installed. Increase Your Return on any new or old building. Tenant always looks for a place of protection for valuable documents.

Lot No. 3-B-10. Brand New Vault Door Like Illustration

Dimensions: Inside clearance 28x74 inches; made to fit an 18-inch wall. Opening in wall to receive vault, 32x77 inches. Approximate weight, 600 pounds.

The door of this vault is hung on two strong hinges and fitted with a 2x2x1/4-inch steel angle around the entire edge; the door plate being made of 10 gauge steel. The angle is fitted with three cross bolts made of 1-inch cold rolled round steel and securely locked with a Yale Combination Lock. The inner doors are made double of 10 gauge and 14 gauge steel welded

together, having up and down flat bolt work, securely locked with a flat key lock.

The rear flanges are so made that frame can be unscrewed, the vault placed in position, leveled, fitted and tried so that the bolt and locks work perfectly, then all crevices can be filled up and cemented, the rear flanges screwed back and the vault will be ready for use. By making the flange on the rear of the vault in this manner, the building can be completed and vault placed in position without being marred. Price.....

\$105.00

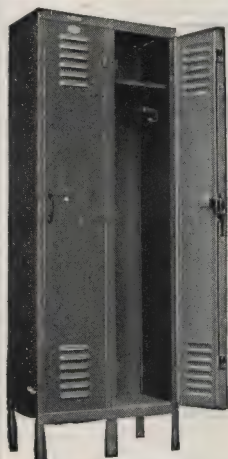
3-B-70—The above vault door with 5-inch angle iron frame only, without vestibule or inner doors.....

\$87.00

When placing order state whether right or left hand swing is desired. Illustration above shows right hand swing.

Overhauled Vault Doors and Safes!!

We have on hand at all times a variety of overhauled vault doors and safes. They are in first-class overhauled condition in every way, painted and all working parts put in the best condition. The handle and dial are re-nickled—will make a very imposing fixture to any office. We have such makes as Hall, Diebold and Harris, all of which are standard on the market. Send us your inquiry, and we will furnish you complete detailed description and lowest prices.



Two wide

Brand New Steel Lockers

We can now furnish you Brand New Steel Lockers from our Chicago Stock for immediate shipment—like illustration. These are all arranged in units or banks of five to two compartments wide to a section. They are 12" wide, 15" deep and 60" high, inside measurements. This is the ideal size for general service in offices or factories. All arranged single row fitted with three 2 prong coat hooks; hat shelf and doors have nickel plated number plates. The finish is olive green enamel. Doors are reinforced type, making them absolutely rigid. All lockers have an attachment for padlock, but no padlock is included. The ventilation is provided by six louvers in top and bottom of each opening. The shipping weight is approximately 70 pounds per compartment and unless otherwise stated in order we ship them set up and ready for immediate use. There is considerable saving in freight charges when shipped knocked down and erection is very simple as we include all necessary bolts for assembling and complete simple instructions. Write for prices on other sizes—send specifications.

3-B-172—Price per unit of five compartments wide for padlocks.....

\$28.00

3-B-173—Price per unit of four compartments wide for padlocks.....

22.80

3-B-174—Price per unit of three compartments wide for padlocks.....

15.90

3-B-175—Price per unit of two compartments wide for padlocks.....

11.70

If keylocks are preferred we can supply masterkeyed Yale locks with two keys to each lock, per opening extra.....

.80

OVERHAULED STEEL LOCKERS

We always have on hand a number of used steel lockers. Give us an approximate idea as to the size you require, stating width, depth and height, and whether single or double tier lockers are preferred, as well as about how many you will need. These are second-hand lockers which come to us in connection with our large dismantling operations, which are thoroughly overhauled before shipment and guaranteed to be in first class condition in every respect and will answer the purpose just as good as new. Sometimes we have brand new lockers in these lots. Steel lockers are sanitary and permanent for shop, factory and office use. It makes your employees more contented. We are in position to quote very interesting prices, so write us today and our low money saving prices will follow by return mail. Complete stock list sent on request.



No. 3-B-3487

Steel Storage Cabinets

These Brand New Steel Storage cabinets are fire retarding; prevent petty thieving and help you keep things in order and keep out dust and vermin. They are being used in thousands of places for the storage of stationery, automobile parts, dies, tools and material and supplies of every kind. They are used by all garages—offices—machine shops—elevators—schools and business men. Every storage need they have is supplied by these cabinets. Built of heavy steel and all equipped with a Yale lock and two keys. Base is entirely closed on all cabinets coming flush with the floor on front, sides and back. No tools required to adjust shelves. Extra shelves at nominal charge. All cabinets finished in olive green baked enamel but white, gray, walnut or mahogany are supplied at a nominal cost. Shipped set up unless otherwise specified. Can be shipped knocked down.

No. 3-B-1886—Size 18" wide, 18" deep, 65" high, four shelves (five shelf openings)

one door; weight, 125 lbs.

\$15.00

No. 3-B-2456—Size 24" wide, 15" deep, 65" high, four shelves (five shelf openings)

two doors; weight, 144 lbs.

18.50

No. 3-B-3487—Size 34" wide, 18" deep, 77" high, four shelves (five shelf openings)

two doors; weight, 248 lbs.

28.00

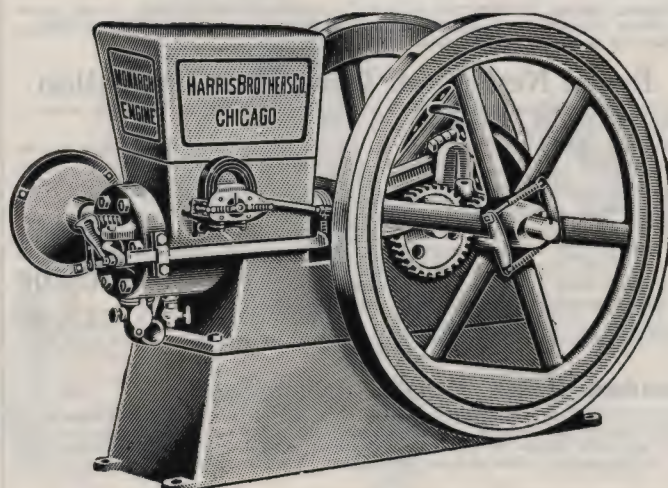
No. 3-B-3487WC—Size 34" wide, 18" deep, 77" high, Wardrobe Cabinet with one

shelf for hats—coat hanger rod—coat hooks—two doors; weight, 221 lbs....

26.00

Reliable Monarch Engines

BUILT FOR GASOLINE OR KEROSENE



Monarch Gasoline Engine on Cast Sub Base

Gasoline Engines

$1\frac{3}{4}$ to 7 h. p. **\$45⁰⁰** and Upwards

They Embody All Latest and Best Improvements

Monarch Engines are Simple in design and trouble-proof

Throttle Governor insures smooth operation

Easy starting made certain by vaporizing fuel

Speed regulator adjustable while engine is running

Water spray valve for vaporizing fuel

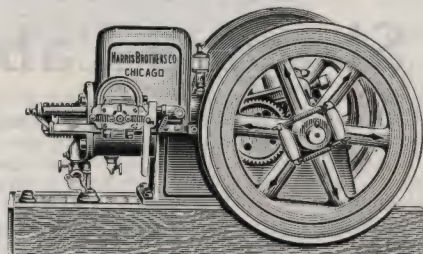
Fuel economy: One-tenth gallon fuel per h. p. hour

Conservative ratings develop 20 per cent over ratings shown

These Celebrated Engines —now built for Harris Brothers Co.

THE BUILDERS of these high grade engines, like many other leading manufacturers, were willing to make the necessary price concessions in order that we might use our wonderful sales organization to acquaint thousands of engine users throughout the country with the one real successful gasoline or kerosene engine. Although they have been continually built and distributed for many years, this is positively the first time in their entire history that they have sold direct to the consumer at a price reduction. In every way we have investigated by actual test and convinced ourselves that Monarch Engines are the world's best before we were ready to distribute them. Read the conditions of our liberal terms, our free trial and guarantee forever—the greatest engine offer ever made.

Monarch Engines are all made complete by one of America's best equipped engine builders. The improved construction embodies all newest and best features with many additional exclusive points of merit. Always sure starting and steady running under any and all conditions. They are constructed throughout of finest material beautifully finished in red enamel artistically striped. Some of the main important features are the detachable cylinder head, perfect poppet valves, malleable iron "I" beam connecting rod, Webster oscillating magneto on all sizes. Note the additional features mentioned at the side of these pages.



$1\frac{3}{4}$ H. P. Monarch Gasoline Engine

4-B-120. This Monarch Gasoline Engine is the ideal power for operating a small line shaft connected with your Cream Separator, Grist Mill, Fan Mill, Washing Machine, Grindstone or any other small farm machinery. It gives you full rated power at all times at lowest possible fuel expense. Although this is the smallest of the Monarch Engines, all splendid features are embodied in this construction. Monarch Gasoline Engine, size $1\frac{3}{4}$ h.p. (full explanation on opposite page).

Sale price.....**\$45.00**

LIBERAL TERMS!

Time to Pay if You Wish!

You can buy your Monarch Engine in any size under most liberal terms: three ways to pay, as follows:

Plan No. 1

By sending cash in full with order you will be allowed a discount of 3 per cent, from these prices.

Plan No. 2

If you wish to examine and use the engine for thirty days, send us a letter from your banker stating that the full sale price has been deposited with him and will be sent to us when you are fully satisfied.

Plan No. 3

If you wish to buy your engine on time in three payments—an extra charge of \$2.50 will be necessary to cover our bookkeeping expense. Send one-third of the amount with your order and blanks will be sent for your signature for the balance to be paid one-third in two months and one-third in four months.

Solve Your Power Problems!

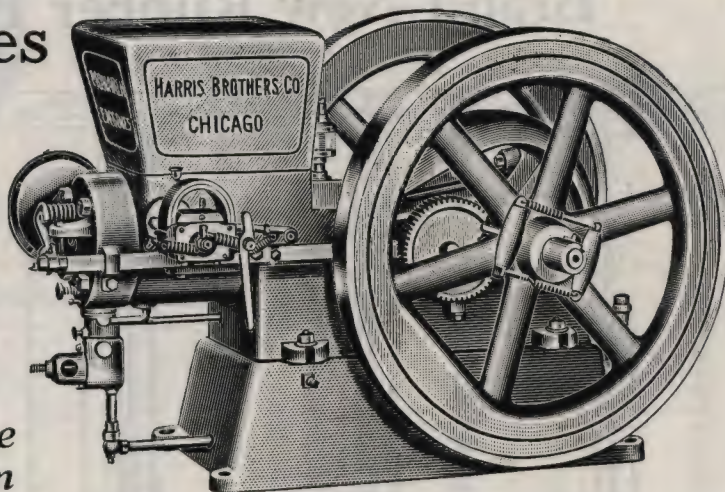
Webster Oscillating Magneto

Kerosene Engines

3 h. p. to **\$87⁰⁰** and
10 h. p. **Upwards**

*Throttling Governor
Webster Magneto
Kerosene Carburetor*

*Sure Easy Starting—The
Ideal Engine for the Farm*



MONARCH KEROSINE ENGINE ON CAST SUB BASE

SPECIFICATIONS AND SALE PRICES

ORDER NO.	GASOLINE ENGINES				KEROSENE ENGINES			
	4-B-120	4-B-121	4-B-122	4-B-123	4-B-320	4-B-321	4-B-322	4-B-323
Size, H. P.	1 3/4	3	5	7	3	5	7	12
Price on skids	\$45.00	\$75.00	\$100.00	\$150.00	ON CAST SUB BASE ONLY			
Price on cast Sub base		\$79.00	\$107.00	\$160.00	\$87.00	\$113.00	\$170.00	\$290.00
Speed, R. P. M.	500	400	350	325	450	400	370	300
Bore, inches	3 1/2	4 1/2	4 3/4	5 1/2	4 1/2	4 3/4	5 1/2	6 3/4
Stroke, inches	5	6	8	10	6	8	10	12
Pulley, inches	4x4	8x6	12x6	14x8	8x6	12x6	14x8	22x8
Diameter Crank Pin, inches	1 1/4	1 5/8	1 3/4	2	1 1/8	1 3/4	2	2 1/2
Length Crank Pin, inches	1 5/8	1 13/16	1 13/16	2	1 13/16	1 13/16	2	2 1/2
Length Connecting Rod, inches	10 1/8	12 1/2	14 1/2	19	12 1/2	14 1/2	19	26
Length Piston, inches	4	5 1/2	6	7	5 1/2	6	7	9 1/2
No. of Piston Rings	3	3	3	3	3	3	3	3
Fuel Tank, gallons	1	2 1/2	2 1/2	7 1/2	3 1/2	4	8 1/2	11
Weight, Flywheel	34	81	142	250	81	142	250	375
Shipping Weight	225	475	715	1250	485	725	1265	2450

**Monarch
Pumping
Outfits**

Kerosene car-
buretor designed
for cheapest fuel

Cooling Hopper of
special design pre-
vents cracking
from frost

Modern design
embodying all
good points

Drop forge crank
shaft

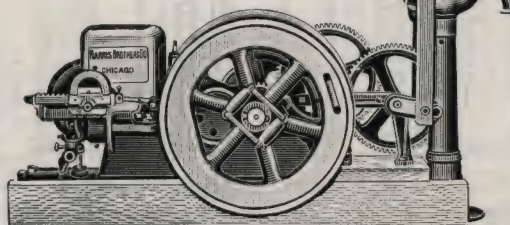
Thick walled
cylinder permits
boring three times

Ignition
Webster's oscillat-
ing magneto on
all sizes

FREE TRIAL! Guaranteed Forever!

Whether you pay cash in full for your Monarch Engine or buy it under the conditions of our three payment plan, we will gladly send it to you on trial—our sole object being to satisfy you with your purchase.

We insist that you be satisfied in every way with your Monarch Engine before we will consider the transaction closed. If you do not find the engine we send you to be exactly as pictured and described in these pages, or if for any reason whatsoever you are not satisfied, your money, including all transportation charges, will be returned without any question or quibble. Monarch Engines in all sizes as described on these pages are guaranteed by us to give you the satisfaction you have a right to expect, and if at any future time you find your engine to be defective in material or workmanship, we will cheerfully send you repair parts to place your engine in perfect condition—replace the engine with a new one or hand you back any amount of money you have paid us.



Pump and Pump Standards Not Supplied

Includes regular Monarch Engine and geared pumping jack, mounted on wood skids. Jack is arranged for direct connection to pump standard; no belts. By taking out four lag screws the pumping jack can be removed and the engine run independently.

4-B-329. Monarch direct connected pumping outfit with 1 3/4 h. p. engine and single gear pump jack, height 20 in., 3 3/4 in. bore, 5 in. stroke, 18 in. flywheel, 5x5 in. pulley, wt. 360 lbs. **Price \$60.00**

HARRIS BROTHERS COMPANY, 35th and Iron Streets, CHICAGO

Bargain List Belt Remnants!

Every belt in this list is a big bargain. To secure them you should place your order now for such belts as you need. These remnants are all brand new and are practically made up of our regular brands. In addition to these brands, we are constantly buying special lots of high grade belt remnants. Write us if you fail to find the exact belt you need, for we will no doubt have it, as our stocks are being replenished daily. Any belts laced free with clipper wire lacing when requested on order.

Brand New Rubber Belt Remnants!

ORDER BY LOT No. 3-B-918

Width Inch	Ply	Feet Long	Price Per Belt	Width Inch	Ply	Feet Long	Price Per Belt	Width Inch	Ply	Feet Long	Price Per Belt	Width Inch	Ply	Feet Long	Price Per Belt	Width Inch	Ply	Feet Long	Price Per Belt
1	3	12	\$0.54	2	4	15	\$1.66	4	3	35	\$5.60	5	5	28	\$9.66	8	3	31	\$7.13
1	3	15	.68	2	4	18	1.94	4	4	36	5.76	5	5	30	10.35	8	4	13	4.03
1	3	18	.81	2	4	20	2.15	4	4	12	5.76	5	5	38	13.11	8	4	19	4.75
1	3	22	.99	2	4	23	2.47	4	4	15	5.76	5	5	40	14.80	8	4	22	5.19
1	3	25	1.13	2	4	25	2.69	4	4	18	5.76	5	5	42	16.36	8	4	26	5.92
1	3	15	.94	2	4	30	3.03	4	4	20	5.76	5	5	21	13.36	8	4	30	6.33
1	3	17	1.04	2	4	33	3.33	4	4	22	5.76	5	5	14	10.36	8	4	32	6.55
1	3	20	1.17	2	4	36	3.63	4	4	24	5.76	5	5	16	11.56	8	4	35	7.04
1	3	22	1.31	2	4	39	3.93	4	4	25	5.76	5	5	18	12.81	8	4	38	7.53
1	3	24	1.44	2	4	42	4.22	4	4	28	5.76	5	5	20	14.04	8	4	40	8.00
1	3	26	1.57	2	4	45	4.52	4	4	30	5.76	5	5	22	15.29	8	4	42	8.52
1	3	28	1.70	2	4	48	4.81	4	4	33	5.76	5	5	24	16.56	8	4	45	9.01
1	3	30	1.83	2	4	51	5.11	4	4	36	5.76	5	5	26	17.81	8	4	48	9.50
1	3	32	1.96	2	4	54	5.40	4	4	39	5.76	5	5	28	19.06	8	4	50	10.00
1	3	34	2.09	2	4	57	5.69	4	4	42	5.76	5	5	30	20.31	8	4	52	10.50
1	3	36	2.22	2	4	60	5.98	4	4	45	5.76	5	5	32	21.56	8	4	54	11.00
1	3	38	2.35	2	4	63	6.27	4	4	48	5.76	5	5	34	22.81	8	4	56	11.50
1	3	40	2.48	2	4	66	6.56	4	4	51	5.76	5	5	36	24.06	8	4	58	12.00
1	3	42	2.61	2	4	69	6.85	4	4	54	5.76	5	5	38	25.31	8	4	60	12.50
1	3	44	2.74	2	4	72	7.14	4	4	57	5.76	5	5	40	26.56	8	4	62	13.00
1	3	46	2.87	2	4	75	7.43	4	4	60	5.76	5	5	42	27.81	8	4	64	13.50
1	3	48	3.00	2	4	78	7.72	4	4	63	5.76	5	5	44	29.06	8	4	66	14.00
1	3	50	3.13	2	4	81	8.01	4	4	66	5.76	5	5	46	30.31	8	4	68	14.50
1	3	52	3.26	2	4	84	8.30	4	4	69	5.76	5	5	48	31.56	8	4	70	15.00
1	3	54	3.39	2	4	87	8.59	4	4	72	5.76	5	5	50	32.81	8	4	72	15.50
1	3	56	3.52	2	4	90	8.88	4	4	75	5.76	5	5	52	34.06	8	4	74	16.00
1	3	58	3.65	2	4	93	9.17	4	4	78	5.76	5	5	54	35.31	8	4	76	16.50
1	3	60	3.78	2	4	96	9.46	4	4	81	5.76	5	5	56	36.56	8	4	78	17.00
1	3	62	3.91	2	4	99	9.75	4	4	84	5.76	5	5	58	37.81	8	4	80	17.50
1	3	64	4.04	2	4	102	10.04	4	4	87	5.76	5	5	60	39.06	8	4	82	18.00
1	3	66	4.17	2	4	105	10.33	4	4	90	5.76	5	5	62	40.31	8	4	84	18.50
1	3	68	4.30	2	4	108	10.62	4	4	93	5.76	5	5	64	41.56	8	4	86	19.00
1	3	70	4.43	2	4	111	10.91	4	4	96	5.76	5	5	66	42.81	8	4	88	19.50
1	3	72	4.56	2	4	114	11.20	4	4	99	5.76	5	5	68	44.06	8	4	90	20.00
1	3	74	4.69	2	4	117	11.49	4	4	102	5.76	5	5	70	45.31	8	4	92	20.50
1	3	76	4.82	2	4	120	11.78	4	4	105	5.76	5	5	72	46.56	8	4	94	21.00
1	3	78	4.95	2	4	123	12.07	4	4	108	5.76	5	5	74	47.81	8	4	96	21.50
1	3	80	5.08	2	4	126	12.36	4	4	111	5.76	5	5	76	49.06	8	4	98	22.00
1	3	82	5.21	2	4	129	12.65	4	4	114	5.76	5	5	78	50.31	8	4	100	22.50
1	3	84	5.34	2	4	132	12.94	4	4	117	5.76	5	5	80	51.56	8	4	102	23.00
1	3	86	5.47	2	4	135	13.23	4	4	120	5.76	5	5	82	52.81	8	4	104	23.50
1	3	88	5.60	2	4	138	13.52	4	4	123	5.76	5	5	84	54.06	8	4	106	24.00
1	3	90	5.73	2	4	141	13.81	4	4	126	5.76	5	5	86	55.31	8	4	108	24.50
1	3	92	5.86	2	4	144	14.10	4	4	129	5.76	5	5	88	56.56	8	4	110	25.00
1	3	94	5.99	2	4	147	14.39	4	4	132	5.76	5	5	90	57.81	8	4	112	25.50
1	3	96	6.12	2	4	150	14.68	4	4	135	5.76	5	5	92	59.06	8	4	114	26.00
1	3	98	6.25	2	4	153	14.97	4	4	138	5.76	5	5	94	60.31	8	4	116	26.50
1	3	100	6.38	2	4	156	15.26	4	4	141	5.76	5	5	96	61.56	8	4	118	27.00
1	3	102	6.51	2	4	159	15.55	4	4	144	5.76	5	5	98	62.81	8	4	120	27.50
1	3	104	6.64	2	4	162	15.84	4	4	147	5.76	5	5	100	64.06	8	4	122	28.00
1	3	106	6.77	2	4	165	16.13	4	4	150	5.76	5	5	102	65.31	8	4	124	28.50
1	3	108	6.90	2	4	168	16.42	4	4	153	5.76	5	5	104	66.56	8	4	126	29.00
1	3	110	7.03	2	4	171	16.71	4	4	156	5.76	5	5	106	67.81	8	4	128	29.50
1	3	112	7.16	2	4	174	17.00	4	4	159	5.76	5	5	108	69.06	8	4	130	30.00
1	3	114	7.29	2	4	177	17.29	4	4	162	5.76	5	5	110	70.31	8	4	132	30.50
1	3	116	7.42	2	4	180	17.58	4	4	165	5.76	5	5	112	71.56	8	4	134	31.00
1	3	118	7.55	2	4	183	17.87	4	4	168	5.76	5	5	114	72.81	8	4	136	31.50
1	3	120	7.68	2	4	186	18.16	4	4	171	5.76	5	5	116	74.06	8	4	138	32.00
1	3	122	7.81	2	4	189	18.45	4	4	174	5.76	5	5	118	75.31	8	4	140	32.50
1	3	124	7.94	2	4	192	18.74	4	4	177	5.76	5	5	120	76.56	8	4	142	33.00
1	3	126	8.07	2	4	195	19.03	4	4	180	5.76	5	5	122	77.81	8	4	144	33.50
1	3	128	8.20	2	4	198	19.32	4	4	183	5.76	5	5	124	79.06	8	4	146	34.00
1	3	130	8.33	2	4	201	19.61	4	4	186	5.76	5	5	126	80.31	8	4	148	34.50
1	3	132	8.46	2	4	204	19.90	4	4	189	5.76	5	5	128	81.56	8	4	150	35.00
1	3	134	8.59	2	4	207	20.19	4	4	192	5.76	5	5	130	82.81	8	4	152	35.50
1	3	136	8.72	2	4	210	20.48	4	4	195	5.76	5	5	132	84.06	8	4	154	36.00
1	3	138	8.85	2	4	213	20.77	4	4	198	5.76	5	5	134	85.31	8	4	156	36.50
1	3	140	8.98	2	4	216	21.06	4	4	201	5.76	5	5	136	86.56	8	4	158	37.00
1	3	142	9.11	2	4	219	21.35	4	4	204	5.76	5	5	138	87.81	8	4	160	37.50
1	3	144	9.24	2	4	222	21.64	4	4	207	5.76	5	5	140	89.06	8	4	162	38.00
1	3	146	9.37	2	4	225	21.93	4	4	210	5.76	5	5	142	90.31	8	4	164	38.50
1	3	148	9.50	2	4	228	22.22	4	4	213	5.76	5	5	144	91.56	8	4	166	39.00
1	3	150	9.63	2	4	231	22.51	4	4	216	5.76	5	5	146	92.81	8	4	168	39.50
1	3	152	9.76	2	4	234	22.80	4	4	219	5.76	5	5	148	94.06	8	4	170	40.00
1	3	154	9.89	2	4	237	23.09	4	4	222	5.76	5	5	150	95.31	8	4	172	40.50
1	3	156	10.02	2	4	240	23.38	4	4	225									



BELTING

Owing to our enormous business in this line, we carry a large and complete stock of Belting and Supplies, insuring our customers prompt shipment of their orders. We earnestly advise that you note carefully the general purpose for which we recommend the use of our various grades and order accordingly. We will lace your belts with "Clipper" hooks without charge when so stated on your order.

Rubber Belting

"Superior" Brand Red Rubber Belt

3-B-20. This is the highest quality belt constructed, made of heavy 32-ounce duck and red rubber, adapted for heavy duty on main drives in paper mills, sawmills, ore concentrating plants, factories, electric light plants and similar service where a belt is subjected to hard usage.

Width Inches	3 Ply Per Ft.	4 Ply Per Ft.	5 Ply Per Ft.	6 Ply Per Ft.
1	\$0.08			
1 1/2	.12			
2	.15	\$0.16		
2 1/2		.21		
3		.24		
3 1/2		.28		
4		.31	\$0.39	
4 1/2		.35		
5		.38		
6		.48	\$0.69	
7		.58		
8		.68		
9		.73		
10		.81		
12		.91	1.09	
13		1.09	1.31	
14		1.18		
15	1.02	1.27	1.54	
16	1.09	1.37		
18	1.17	1.46	1.76	
20		1.64	1.97	
22		1.82	2.18	
24		2.00	2.62	

possesses many advantages. The cotton duck being protected by the rubber cover, the belt is not affected by dampness, but will run in damp places. It is uniform in thickness and strength and will always run straight on the pulleys. Our rubber belts are thoroughly stretched in making and therefore do not stretch materially when placed in service. Adhere closely to the pulley, giving the best transmission of power.

"Standard" Brand

3-B-1. This is a light weight flexible belt of high tensile strength, especially adapted to agricultural purposes on dairy machines, silo machines, pumps, and comparatively light transmission service, etc. The quality is as good as other grades but the duck is lighter, with a good friction.

Width Inches	3 Ply Per Ft.	4 Ply Per Ft.
1	5c	
1 1/2	7c	
1 1/2	8c	9c
2	10c	12c
2 1/2	12c	14c
3	14c	16c
3 1/2	16c	19c
4	18c	21c
4 1/2	20c	23c
5	22c	26c
6	26c	31c
7	31c	36c
8	33c	39c

"Premier" Brand Rubber Belt

3-B-3. This is an all-around service belt of medium weight made to withstand general transmission service requirements, such as countershaft drives, flour mill drives, heavy agricultural work and conveying purposes.

Width Inches	3 Ply Per Ft.	4 Ply Per Ft.	5 Ply Per Ft.	6 Ply Per Ft.
1	\$0.06			
1 1/2	.09			
2	.12	\$0.14		
2 1/2	.14	.17		
3	.17	.20		
3 1/2	.20	.23		
4	.21	.25		
4 1/2		.28		
5		.31	\$0.38	
6		.37	.46	\$0.55
7		.43	.54	
8		.48	.58	.69
9		.52		
10		.55	.72	.86
11		.63		
12		.69	.86	1.04
13		.75	.94	
14		.81	1.01	1.21
15		.86	1.08	
16		.92	1.16	
18		1.04		

Endless Canvas Belting



3-B-11. Brand new and guaranteed. These belts are especially recommended for threshers or for any other purpose where a belt is exposed to the weather. Actual lengths are three feet shorter than specified as it requires the price of three feet for lap and labor in making belts endless.

Width Inches	4-Ply	5-Ply	6-Ply
50 ft.	\$13.25	\$16.30	\$19.15
60 ft.	\$16.30	\$20.40	\$25.40
75 ft.	\$22.40	\$29.70	\$36.70
100 ft.	\$25.65	\$33.75	\$41.85
125 ft.	\$28.90	\$38.00	\$47.25
150 ft.			\$56.15
175 ft.			\$62.10
200 ft.			\$68.10
225 ft.			\$74.90
250 ft.			\$82.35
275 ft.			\$89.90
300 ft.			\$93.15

"Harris" Brand Canvas Belting

3-B-9. This belt is the most serviceable for use outdoors, as it can not be injured by steam or water and can be run in places where the heat would injure a rubber or leather belt. It is made of heavy canvas woven very hard, giving it great strength. The rows of stitching are very close so that the piles will not separate. It is painted red with a special composition which makes it waterproof and it is not affected by heat or cold. This belt is thoroughly stretched during the process of manufacture and is adaptable for sawmills, mines, quarries, etc.

Width Inches	4 Ply Per Ft.	5 Ply Per Ft.	6 Ply Per Ft.	8 Ply Per Ft.
1	\$0.06			
1 1/2	.08			
2	.12			
2 1/2	.14			
3	.17			
3 1/2	.20			
4	.24	\$0.28	\$0.33	
4 1/2	.27	.34	.41	
5	.32	.39	.47	
6	.36	.45	.51	
7	.41	.51	.61	
8	.45	.51	.61	
9	.49	.61	.73	
10	.52	.67	.77	
12	.62	.77	.92	\$1.11
14	.69	.92	1.04	1.25
16		1.19		

White Woven Cotton Belting

3-B-15. This white woven cotton belt is especially adapted for elevating and conveyor purposes. It is solid woven, making it the heaviest and strongest cotton belt on the market.

Width Inches	2 Ply Per Foot	3 Ply Per Foot	4 Ply Per Foot	5 Ply Per Foot	6 Ply Per Foot
1	\$0.03	\$0.05			
1 1/2	.03 1/2	.05 1/2			
2	.05	.07	\$0.09		
2 1/2	.06	.09	.12		
3	.07	.10	.14		
3 1/2	.08	.12	.16	\$0.20	
4	.09	.13	.19	.22	
4 1/2	.10	.15	.21	.28	\$0.34
5	.11	.16	.25	.32	.40
6	.13	.19	.28	.38	.44
6 1/2	.14	.21	.30	.42	.54
7	.15	.23	.34	.48	.60
8	.18	.26	.40	.58	.70
9	.20	.30	.44	.68	.82
10	.24	.34	.44	.68	.82
12	.27	.39	.51	.68	.82

BELT SPECIALS

Cut any lengths—Subject to prior sale

Lot No. 3-B-586

343 feet 1 1/2" wide 2 ply rubber belt	Per ft.	6c
872 feet 2" wide 3 ply white cotton belt	Per ft.	4c
496 feet 2" wide 3 ply black canvas belt	Per ft.	5c
872 feet 3" wide 4 ply balata belt	Per ft.	25c
445 feet 4" wide 2 ply rubber belt	Per ft.	10c
297 feet 5" wide 2 ply rubber belt	Per ft.	15c
311 feet 8" wide 3 ply rubber belt	Per ft.	27c
298 feet 8" wide 5 ply rubber belt	Per ft.	48c
461 feet 12" wide 8 ply canvas belt	Per ft.	80c

Leather Belting

"Reliable" Brand

3-B-7. Our "Reliable" Brand New Leather Belt is by far the best leather belt on the market, made of short lap, high grade stock from which the finest belt is made, cannot be beat for high speeds such as woodworking machinery and heavy drives. Made endless to order at a charge of one foot extra for labor and lap.

Width Per Ft.	Thick Single	Thick Double	Width Per Ft.	Single Thick	Double Thick
2	\$0.34		5 1/2	\$0.92	\$1.66
2 1/2	.42		6	1.01	1.82
3	.50	\$0.91	7	1.18	2.11
3 1/2	.59	1.06	8	1.34	2.42
4	.67	1.21	9		2.72
4 1/2	.76	1.36	10		3.02
5	.84	1.51	12		3.63

"Square" Brand

3-B-6. "Square" Brand New Leather Belt is suitable for light and medium power transmission. It is cut from the same leather as our "Reliable" Brand and is manufactured in the same careful manner, but is of a lighter weight. For farm machinery, light factory power, etc., there is no better belt on market. Made endless to order at a charge of one foot extra for labor and lap.

Width Single Thick	Double Thick	Width Single Thick	Double Thick
1	\$0.12	3	\$0.36
1 1/2	.15	3 1/2	.42
1 1/2	.18	4	.48
2	.21	4 1/2	.54
2 1/2	.24	5	.60
2 1/2	.27	6	.72
3	.30	7	.84
3 1/2	.33	8	.96

Overhauled Leather Belting

3-B-5. We rebuild and overhaul leather belts and when ready for shipment, they will give the same satisfaction as new; with the exception that the stock of course is overhauled. Made endless to order at a charge of one foot extra for labor and lap.

Width Inches	Single Thick	Double Thick	Width Inches	Single Thick	Double Thick
1	\$0.08		7		\$1.05
1 1/2	.09		8		1.20
1 1/2	.11	\$0.23	9		1.35
2	.13		10		1.50
2 1/2	.15	.30	11		1.65
3	.19	.38	12		1.80
3 1/2	.23	.45	13		1.95
4	.26	.53	14		2.10
4 1/2	.30	.60	15		2.25
5	.34	.68	16		2.40
5 1/2	.38	.75	18		2.70
6	.45	.90	20		3.00
			24		3.60

Belting Supplies, Packing, Elevator Buckets, Etc.

"Adams" Canvas Pulley Covering

Prevents belts slipping. Threshermen appreciate it; saves power and money. Can run with loose belt. Lessens friction on bearings and shaft. It is easily applied without rivets and is durable. Put up in convenient outfits, consisting of Canvas, Cement, Brush and Scraper for applying. **3-B-102.** Outfit No. 3. Sufficient for 10 sq. ft. of pulley surface

\$3.60



\$3.60

Perfection Belt Dressing



Prevents belt from slipping. Contains nothing that is injurious to the belt. Put up in 1 lb. sticks.

3-B-104. Price per stick..... **\$0.30**
Per dozen 1-lb. sticks..... **\$3.25**

Chrome Tanned Side Lace Leather

This is the "Blue Kind" chrome tanned sides—tough strong and durable. Made from selected hides. The lace that is growing in popularity.



3-B-25 Price
Sides containing 8 square feet..... **\$2.64**
Sides containing 10 square feet..... **3.30**
Sides containing 12 square feet..... **3.96**

Chrome Tanned Lace Leather



It has great tensile strength. Belts laced with chrome lace going over pulleys withstands the action of any heat caused by slippage. Fibres are tough and durable. It is waterproof and the best outdoor and all around lacing. Lasts longer than any other lace made.

3-B-24
Width, inches..... $\frac{1}{4}$ $\frac{3}{8}$ $\frac{1}{2}$ $\frac{5}{8}$
Price, 50 feet..... **\$0.50** **\$0.70** **\$1.05** **\$1.25**
Price, 100 feet..... **.95** **1.30** **2.00** **2.35**

"Handy Repair Bundle"



3-B-89. This handy bundle consists of one pound of mixed good strong rawhide lacing of various widths and lengths, practical for repairing harness, belts and other leather equipment about the farm and factory. Always the right lace or string when you need it. Price per one pound bundle complete..... **30c**



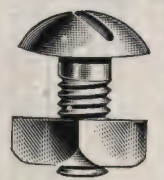
Belt Elevator Bolts

These bolts are for attaching elevator buckets to flat belts and have slot in head for screw driver, and corrugated under surface. They are well made and smoothly finished. Sold in boxes of 100 only.

3-B-927.

Dia. In.	Length In.	Price per box of 100.....
$\frac{3}{4}$	$\frac{1}{2}$	\$1.25
$\frac{3}{4}$	$\frac{3}{4}$	1.25
$\frac{3}{4}$	$\frac{1}{2}$	1.25
$\frac{3}{4}$	$\frac{3}{4}$	1.30
$\frac{3}{4}$	$\frac{1}{2}$	1.35

Chain Elevator Bolts

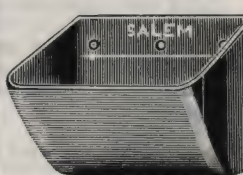


3-B-928. This type bolt is used for attaching elevator buckets to link chain belting. They have button head, are well made and smoothly finished. Sold in boxes of 100 only.

Dia. In.	Lgth. In.	Price
$\frac{1}{4}$	$\frac{3}{4}$	Box of 100. \$0.90
$\frac{1}{4}$	$\frac{3}{4}$	Box of 100. .90

Buckets, Etc.

Elevator Buckets



3-B-49. Brand new. For general elevator work we consider the Salem bucket the best on the market. All these buckets are spot welded. This decidedly strengthens the bucket, saves the belt and discharges perfectly. When placing order advise how you want them punched, whether for flat belt or link chain belting. If for link belt state style of attachment and number of chain.

Bucket Length	Size, Ins. Proj.	Capac. Cubic Inches	Gauge No.	Price Each
3	3	12	22	\$0.10
3 $\frac{1}{4}$	3	15	22	.10
4	3	17	22	.10
4 $\frac{1}{4}$	3	20	22	.10
4	3 $\frac{1}{4}$	24	22	.10
4 $\frac{1}{4}$	3 $\frac{1}{4}$	27	22	.10
5	3 $\frac{1}{4}$	30	22	.11
5 $\frac{1}{4}$	4	41	20	.12
5 $\frac{1}{4}$	4	45	20	.14
6	4	49	20	.16
7	4 $\frac{1}{2}$	66	20	.19
8	5	98	19	.26
9	5	110	19	.30
10	5 $\frac{1}{2}$	122	19	.32
9	5 $\frac{1}{2}$	156	19	.32
9	6	169	18	.35
10	6	187	18	.35
11	6	206	18	.44
12	6	225	18	.44

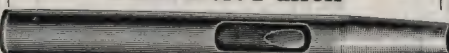
Overhauled Buckets

We offer the following overhauled elevator buckets at bargain prices subject to prior sale. Some of these buckets are only slightly shop worn but for further use as good as new.

Overhauled Buckets			
Quantity	Length	Proj.	Each
72	3 $\frac{1}{2}$	3	\$0.05
431	4	3	.05
623	4	3 $\frac{1}{2}$	.05
226	6	5 $\frac{1}{2}$	.14
182	7	5	.15
155	10	5 $\frac{1}{2}$	.17
63	16	7	.37
58	18	7	.41

We carry a complete stock of elevator buckets and supplies. If you do not find what you require, write us.

Steel Belt Punch



To drive. Made of solid tool steel, drilled and reamed.

3-B-27.			
Size No.	Hole Inches	Price Each	
11	$\frac{1}{4}$	35c	
12	$\frac{3}{8}$	45c	
Size No.	Hole Inches	Price Each	
13	$\frac{1}{2}$	50c	

Composition Wire Belt Lace



The strongest wire belt lace manufactured. Tensile strength being 2,000 lbs.; will stand a far greater strain than is estimated in the driving capacity of a belt. Is better than hooks. Put up in boxes of 50 feet.

3-B-32.

No. 1. For belts 6 inches wide and under..... **\$0.30**
No. 2. For all double leather belts less than 8 inches and for all rubber belts 5 ply or heavier..... **.35**
No. 3. For double belts above 8 inches in width..... **.40**

Adjustable Lace Leather Cutters

Made especially for cutting sides of Lace Leather. Cutters of finely tempered steel.

3-B-26. Price each..... **40c**



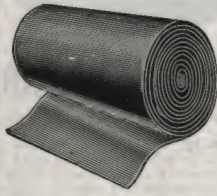
Spiral Graphite Packing

Spiral Graphite Packing. Made of the very best quality of stock, guaranteed to give satisfaction. Put up in boxes containing 12 feet, and in sizes from $\frac{1}{4}$ inch up to and including $\frac{3}{4}$ inch. **3-B-23.** Price per lb. (any size). **.65c**



Red Sheet Packing

Our red sheet packing is a compound soft enough to fill every crevice of the flange. It does not soften or blow out. It is recommended for all steam pressures up to 150 pounds saturated steam, and for all hydraulic pressures. Just the thing for making gaskets, etc. Put up in rolls 36 in. wide. We do not cut rolls lengthwise, but will furnish any quantity one yard wide and any length desired. $\frac{1}{4}$ inch weighs approximately 5 $\frac{1}{2}$ pounds to sq. yd. and $\frac{3}{4}$ inch—11 pounds. Sizes, in stock, $\frac{1}{4}$ and $\frac{3}{4}$ inch. **3-B-15.** Price, per lb..... **33c**



Alligator Steel Belt Lacing



Just a hammer to apply it. Packed in boxes, complete with pins.

3-B-15. For light narrow single leather or fabric belts $\frac{1}{4}$ to $\frac{3}{4}$ inch thick. Packed in 8-inch lengths containing sufficient for 64 inches in width of belting. Per box..... **\$1.20**
3-B-20. For single leather belts, three ply fabric, etc., up to $\frac{1}{4}$ inch thick. Packed in 12-inch lengths, containing sufficient for 60 inches in width of belting. Per box..... **\$1.20**
3-B-25. For single leather and fabric belts from $\frac{1}{4}$ inch to $\frac{1}{2}$ inch thick. Packed in 8-inch lengths containing sufficient for 48 inches in width of belting. Per box..... **\$1.15**
3-B-35. For double leather, 5 ply rubber, cotton or balata belts, $\frac{1}{2}$ to $\frac{3}{4}$ inch thick. Packed in 12-inch lengths containing sufficient for 32 inches in width of belting. Per box..... **\$1.05**
3-B-45. For heavy double leather and 6 ply belts up to $\frac{3}{4}$ inch thick. Packed in 12 inch lengths containing sufficient for 48 inches in width of belting. Per box..... **\$1.95**

Giant Belt Hooks



For leather, rubber and cotton belts. Have double the strength of any other wire belt hooks that are made. Make perfect joints. No tool required but a hammer to insert them. Put up in boxes containing 250.

3-B-30.
Size A. Approximate length, $\frac{3}{4}$ inch. Single length belts. Price per box..... **60c**
Size B. Approximate length, 1 inch. For heavy single and light double leather belts. Price per box..... **70c**
Size C. Approximate length, 1 $\frac{1}{4}$ inches. For heavy double length belts. Price per box..... **85c**
Size D. Approximate length, 1 $\frac{3}{4}$ inches, 3 and 4-ply rubber or cotton belt. Price per box..... **90c**
Size E. Approximate length, 1 $\frac{1}{2}$ inches, 5- and 6-ply rubber or cotton belt. Price per box..... **\$1.15**

Steel Belt Lacing



Made of special steel, easily applied, making a smooth joint. The teeth are widely spaced and therefore do not cut the belt. Packed in boxes containing 100 inches in assorted lengths. In ordering hooks be sure and state kind and thickness of belt with which they are to be used.

3-B-A1. For single leather, rubber and canvas belts, up to 4-ply not wider than 6 inches. Price per box..... **65c**
3-B-1. For single leather, rubber, and canvas belts, 4-ply, 6 to 10 inches wide. Price per box..... **80c**
3-B-2. For double leather, rubber, and canvas belts, up to 6-ply, 12 inches and wider. Price per box..... **\$1.05**

Pointed Belt Awl-Perforator



A handy tool for perforating belts. We recommend the pointed belt awl for preparing belts to be spliced with lace leather, wire, etc.; will not cut threads of fabric, but simply separate them. Can be used for many other things.

3-B-28. Price, each..... **55c**

Shafting and Shaft Line Supplies

Recent great purchases of complete plants and factories secured thousands of feet of perfect shafting absolutely straight and as good as new for further service. This shafting is guaranteed to be free from all defects.

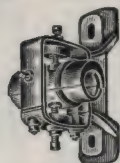
No matter what your requirements are in Pulleys, Shafting, Hangers, Belting, etc., we can supply anything you need for power and transmission of every description. Give us a general idea of the conditions you will have to meet—let us solve your problem; let us save time and money for you.

Brand new Cold Rolled Steel Shafting at factory prices. Cut to any even lengths up to 24 feet. Where longer shafts are required, it is necessary that two pieces be used together with coupling.

We also have a large stock of second-hand shafting, $1\frac{1}{2}$ inch and larger in diameter, which we quote subject to stock being on hand at time of receiving order.

When we are out of second-hand shafting, we will substitute new Shafting at prices quoted on new, unless we are advised to the contrary.

3-B-1. Brand New.		Shafting					3-B-3. Second-Hand		
		Prices on Shafting Subject to Market Changes							
Size, Inches.....	$\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$
Weight, per ft., Lbs.....	$1\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{3}{4}$	$4\frac{1}{4}$	$5\frac{1}{2}$	6	$7\frac{1}{2}$	10	$11\frac{1}{2}$
Second-Hand, per ft.....									
Brand New, per ft.....	\$0.08	\$0.12	\$0.18	\$0.19	\$0.26	\$0.28	\$0.35	\$0.30	\$0.46
Size, Inches.....	$2\frac{3}{4}$	$2\frac{7}{8}$	$2\frac{11}{16}$	$2\frac{15}{16}$	$3\frac{1}{8}$	$3\frac{1}{4}$	$3\frac{11}{16}$	$3\frac{15}{16}$	$4\frac{1}{2}$
Weight, per ft., Lbs.....	$12\frac{3}{4}$	16	$19\frac{1}{4}$	23	$27\frac{1}{4}$	$31\frac{1}{2}$	$36\frac{1}{2}$	$41\frac{1}{2}$	$47\frac{1}{2}$
Second-Hand, per ft.....	\$0.40	\$0.49	\$0.60	\$0.69	\$0.92	\$1.05	\$1.21	\$1.52	
Brand New, per ft.....	.56	.68	.82	.91	1.36	1.58	1.82	2.28	

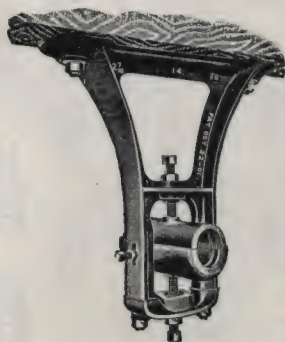


Adjustable Post Hangers

Brand new adjustable Ball and Socket Double Brace Post Hangers, with plain wick oiling bearings up to $2\frac{1}{2}$ inch, $3\frac{1}{2}$ inch to $3\frac{1}{2}$ inch Ring Oiling Bearings.

3-B-7. Made with adjusting socket connection with plunger screws, true ball and bearing and ample adjustment.

Size, inch.....	$\frac{3}{4}$	1	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{7}{8}$	$1\frac{1}{2}$	$1\frac{11}{16}$	$1\frac{15}{16}$
Price, each.....	\$1.95	\$1.95	\$2.60	\$2.60	\$2.75	\$2.75	\$3.40	\$3.90
Size, inch.....	$2\frac{3}{4}$	$2\frac{7}{8}$	$2\frac{11}{16}$	$2\frac{15}{16}$	$3\frac{1}{8}$	$3\frac{1}{4}$	$3\frac{11}{16}$	$3\frac{15}{16}$
Price, each.....	\$5.35	\$6.00	\$8.15	\$9.45	\$14.00	\$15.40	\$22.00	\$23.45



Brand New Drop Hangers

Double Brace, Adjustable, Ball and Socket, Wick Oiling, Drop Hangers, Standard Bearings.

3-B-9. Our hangers are the equal of any hangers on the market. They are as good as the best material and finest workmanship can make them. We use only the very best grade of babbit applicable to shafting service, which is securely anchored to the castings and machined up by special process.

Shaft		Drop in Inches							
Inches		8	10	12	14	16	18	20	
$\frac{3}{4}$	\$1.93	\$2.10	\$2.28	\$2.63					
1	1.93	2.10	2.28	2.63					
$1\frac{1}{8}$	2.10	2.28	2.45	2.80	\$2.98	\$3.33			
$1\frac{1}{4}$	2.10	2.28	2.45	2.80	2.98	3.33			
$1\frac{1}{2}$	2.28	2.45	2.63	2.98	3.15	3.50			
$1\frac{3}{4}$	2.28	2.45	2.63	2.98	3.15	3.50			
$1\frac{7}{8}$	3.15	3.33	3.50	3.85	4.03	4.20	\$4.55		
$1\frac{15}{16}$	3.68	3.85	4.03	4.38	4.55	4.73	5.08		

Write for prices on larger sizes. We can also furnish both ring and plain wick oiling drop and post hangers. Write for prices.

Overhauled Drop Hangers

3-B-11. We offer second-hand Drop Hangers subject to stock on hand at time order is received. Should we not have second-hand hangers in the sizes desired we will substitute new hangers, at prices quoted, unless otherwise advised. The boxes of our second-hand Drop Hangers are babbitted and are guaranteed to be in first class condition. When necessary we rebabbitt them, good as new.

Size, Shaft		Drop in Inches									
Inches		8	10	12	14	16	18	20	24	30	36
$1\frac{1}{8}$	\$1.55	\$1.65	\$1.80	\$2.05	\$2.10	\$2.30	\$2.40	\$2.65			
$1\frac{1}{4}$	2.05	2.05	2.30	2.45	2.55	2.65	2.75	2.95	\$4.50	\$5.30	
$1\frac{1}{2}$	2.30	2.40	2.60	2.80	2.85	2.95	3.05	3.20	4.75	5.50	
$1\frac{3}{4}$	3.00	3.10	3.15	3.45	3.50	3.70	3.75	4.10	5.40	6.50	
$1\frac{7}{8}$	3.35	3.45	3.50	3.80	3.90	4.10	4.15	4.40	5.80	6.85	
$2\frac{1}{8}$	4.25	4.20	4.85	5.05	5.15	5.80	5.85	6.30	7.95	9.00	
$2\frac{1}{4}$	4.90	4.95	5.40	5.80	5.90	6.50	6.60	7.05	8.70	9.70	
$2\frac{1}{2}$	7.05	7.15	7.40	8.10	8.25	9.00	9.70	9.95	11.00	12.10	
$2\frac{3}{4}$	7.75	7.95	8.10	8.85	8.95	9.70	10.10	10.30	11.80	12.85	
$2\frac{7}{8}$	9.20	9.40	9.60	10.30	10.40	11.40	11.55	12.10	13.55	14.60	
$3\frac{1}{8}$	9.95	10.10	10.30	11.00	11.20	12.10	12.25	12.85	14.30	15.35	

Brand New Rigid Post Blocks

3-B-15. Standard bearing, lubricated through cup cast in cap. Babbitted with the best grade of babbit for shaft service. Sizes given are the diameter of shaft. Strength of design is a feature.

Inch	Each	Inch	Each	Inch	Each	Inch	Each
$\frac{3}{4}$	\$1.00	$1\frac{1}{8}$	\$1.55	$2\frac{3}{8}$	\$4.00	$3\frac{1}{8}$	\$7.50
1	1.15	$1\frac{1}{2}$	1.65	$2\frac{7}{8}$	4.55	$3\frac{3}{8}$	10.15
$1\frac{1}{8}$	1.30	$1\frac{3}{4}$	1.95	$2\frac{11}{16}$	5.55	$3\frac{11}{16}$	12.80
$1\frac{1}{4}$	1.35	$1\frac{7}{8}$	2.45	$2\frac{15}{16}$	6.60	$3\frac{15}{16}$	15.45

Brand New Safety Set Collars for Shafting

3-B-17.									
Inch.....	$\frac{3}{4}$	1	$1\frac{1}{2}$	$1\frac{3}{4}$	$1\frac{7}{8}$	$1\frac{1}{2}$	$1\frac{11}{16}$	$1\frac{15}{16}$	
Each.....		23c	28c	30c	35c	37c	42c	49c	
Inch.....	$2\frac{3}{4}$	$2\frac{7}{8}$	$2\frac{11}{16}$	$2\frac{15}{16}$	$3\frac{1}{8}$	$3\frac{1}{4}$	$3\frac{11}{16}$	$3\frac{15}{16}$	
Each.....	56c	63c	74c	84c	95c	\$1.05	\$1.16	\$1.26	



Flange Couplings for Shafting

3-B-19. We can furnish these couplings both new and second-hand, keyseated and keys furnished. Orders for second-hand couplings are taken subject to stock being on hand at time order is received.

In the event that we are out of second-hand couplings we will substitute new couplings, at new prices, unless otherwise advised.



Size	Brand	Over-	Size	Brand	Over-
Inches	New	hauled	Inches	New	hauled
$1\frac{1}{2}$	\$5.20	\$3.20	$2\frac{1}{2}$	\$9.40	\$5.80
$1\frac{3}{4}$	5.20	3.20	$2\frac{3}{4}$	11.40	7.00
$1\frac{7}{8}$	5.85	3.60	$3\frac{1}{8}$	14.00	8.60
$1\frac{15}{16}$	5.85	3.60	$3\frac{1}{4}$	16.90	10.40
$1\frac{1}{2}$	6.85	4.20	$3\frac{3}{8}$	18.55	11.40
$1\frac{3}{4}$	7.50	4.60	$3\frac{1}{2}$	21.80	13.40
$1\frac{7}{8}$	8.45	5.20	$3\frac{3}{4}$	23.40	14.40

Solid Sleeve Shaft Coupling

3-B-21. Brand new, used only for light shafting.

Size, inch.....	$\frac{3}{4}$	1	$1\frac{1}{2}$	$1\frac{3}{4}$
Price, each.....	\$1.75	\$1.95	\$2.10	\$2.10
Size, inch.....	$1\frac{1}{8}$	$1\frac{1}{2}$	$1\frac{11}{16}$	$1\frac{15}{16}$
Price, each.....	\$2.50	\$2.50	\$2.85	\$3.50

Ribbed Compression Couplings

3-B-23. We can furnish these couplings both new and second-hand. In the event we are out of the second-hand couplings we will substitute new couplings unless otherwise advised, at new prices.

Size	Brand	Over-	Size	Brand	Over-
Inches	New	hauled	Inches	New	hauled
$1\frac{1}{2}$	\$3.25	\$2.00	$2\frac{1}{2}$	\$7.15	\$4.40
$1\frac{3}{4}$	3.25	2.00	$2\frac{3}{4}$	8.15	5.00
$1\frac{7}{8}$	3.90	2.40	$3\frac{1}{8}$	9.75	6.00
$1\frac{15}{16}$	3.90	2.40	$3\frac{1}{4}$	12.35	7.60
$1\frac{1}{2}$	4.55	2.80	$3\frac{3}{8}$	14.00	8.60
$1\frac{3}{4}$	5.55	3.40	$3\frac{1}{2}$	15.95	9.80
$1\frac{7}{8}$	6.50	4.00	$3\frac{3}{4}$	18.20	11.20

Patent Compression Couplings



3-B-25. These couplings do away with key-seating. Guaranteed to hold the shafting securely and not slip. Easy to install. Furnished with wrench for applying.

Inch	Each	Inch	Each
$\frac{3}{4}$	\$2.63	$1\frac{1}{8}$	\$4.69
$1\frac{1}{4}$	3.00	$1\frac{1}{2}$	6.00
$1\frac{3}{8}$	3.56	$1\frac{3}{4}$	6.75
$1\frac{1}{2}$	3.75	$2\frac{1}{8}$	8.06
$1\frac{3}{4}$	4.13	$2\frac{1}{4}$	9.75
$1\frac{7}{8}$	4.13	$2\frac{3}{8}$	12.00

Jaw Clutch Couplings

3-B-11. Square Jaw We furnish these only in the square or spiral jaw, the spiral jaws are made either for right or left hand. Always specify in ordering spiral jaw which hand is wanted.

Note illustration. Prices quoted on coupling include clutch band or lever. Write for prices, giving shaft size.

Brand New Rigid Pillow Blocks

3-B-13. Heavy and suitable for all ordinary work, babbitted with the best grade of babbit for shaft service. Bases are ground smooth to insure accurate alignment and both ends are bored and faced. Sizes given are for diameter of shaft.

Size, inches....	$\frac{3}{4}$	1	$1\frac{1}{2}$	$1\frac{3}{4}$
Price, each.....	60c	65c	75c	75c
Size, inches....	$1\frac{1}{8}$	$1\frac{1}{2}$	$1\frac{11}{16}$	$1\frac{15}{16}$
Price, each.....	\$1.00	\$1.00	\$1.40	\$1.85
Size, inches....	$2\frac{3}{8}$	$2\frac{1}{2}$	$2\frac{11}{16}$	$2\frac{15}{16}$
Price, each.....	\$2.35	\$2.70	\$3.40	\$4.10

Overhauled CAST IRON PULLEYS Brand New

3-B-35. We have an enormous stock of overhauled or second hand Iron Pulleys in first class condition, perfectly balanced and for further service practically as good as new. As our stock constantly changes and while we offer a line of sizes, we can not guarantee to furnish second hand pulleys in every instance, so when we are out of second hand pulleys as needed we will take the liberty of substituting new Iron Pulleys at new prices, unless advised to the contrary. Overhauled Iron Pulleys are fitted with set screws only or key seat only and when both are required, we will do this work, making small extra charge.

3-B-37. Brand new iron pulleys, made of the very best of gray iron machine moulded and guaranteed to be perfectly balanced.

Single belt pulleys are made to transmit power of a single leather belt or a 4-ply fabric belt. Double belt pulleys should be used where a double leather belt or a 5-ply or 6-ply fabric belt is used for heavy transmission of power.

We furnish pulleys bored to fit any size shaft and fitted with either set screws or key seated without extra charge. If both key seat and set screws are wanted we require an additional small charge. These pulleys have to be made, which takes about 4 days.

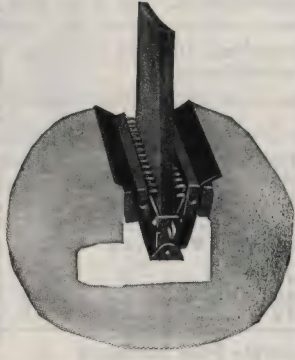
Dia. In.	Face In.	Single Belt	Double Belt	Dia. In.	Face In.	Single Belt	Double Belt
3	3	1.25	1.25	22	14	5.75	5.75
4	4	1.35	1.35	22	14	5.75	5.75
4	4	1.50	1.50	22	14	5.75	5.75
4	4	1.65	1.65	22	14	5.75	5.75
4	4	1.85	1.85	22	14	5.75	5.75
4	4	1.55	1.55	22	14	5.75	5.75
5	5	1.60	1.60	22	14	5.75	5.75
5	5	1.75	1.75	22	14	5.75	5.75
5	5	1.95	1.95	22	14	5.75	5.75
6	6	1.10	1.10	22	14	5.75	5.75
6	6	1.25	1.25	22	14	5.75	5.75
6	6	1.45	1.45	22	14	5.75	5.75
6	6	1.60	1.60	22	14	5.75	5.75
6	6	2.05	2.05	22	14	5.75	5.75
6	6	2.30	2.30	22	14	5.75	5.75
7	7	1.20	1.20	22	14	5.75	5.75
7	7	1.40	1.40	22	14	5.75	5.75
7	7	1.55	1.55	22	14	5.75	5.75
7	7	1.75	1.75	22	14	5.75	5.75
7	7	2.00	2.00	22	14	5.75	5.75
7	7	2.45	2.45	22	14	5.75	5.75
8	8	1.35	1.35	22	14	5.75	5.75
8	8	1.50	1.50	22	14	5.75	5.75
8	8	1.70	1.70	22	14	5.75	5.75
8	8	1.90	1.90	22	14	5.75	5.75
8	8	2.40	2.40	22	14	5.75	5.75
8	8	2.80	2.80	22	14	5.75	5.75
8	8	2.90	2.90	22	14	5.75	5.75
8	8	3.15	3.15	22	14	5.75	5.75
8	8	3.45	3.45	22	14	5.75	5.75
9	9	1.45	1.45	22	14	5.75	5.75
9	9	1.65	1.65	22	14	5.75	5.75
9	9	1.85	1.85	22	14	5.75	5.75
9	9	2.05	2.05	22	14	5.75	5.75
9	9	2.60	2.60	22	14	5.75	5.75
9	9	2.90	2.90	22	14	5.75	5.75
9	9	3.15	3.15	22	14	5.75	5.75
9	9	3.45	3.45	22	14	5.75	5.75
10	10	1.55	1.55	22	14	5.75	5.75
10	10	1.75	1.75	22	14	5.75	5.75
10	10	2.00	2.00	22	14	5.75	5.75
10	10	2.20	2.20	22	14	5.75	5.75
10	10	2.80	2.80	22	14	5.75	5.75
10	10	3.10	3.10	22	14	5.75	5.75
10	10	3.40	3.40	22	14	5.75	5.75
10	10	3.75	3.75	22	14	5.75	5.75
10	10	4.50	4.50	22	14	5.75	5.75
12	12	1.80	1.80	22	14	5.75	5.75
12	12	2.05	2.05	22	14	5.75	5.75
12	12	2.80	2.80	22	14	5.75	5.75
12	12	2.55	2.55	22	14	5.75	5.75
12	12	3.60	3.60	22	14	5.75	5.75
12	12	4.30	4.30	22	14	5.75	5.75
12	12	5.10	5.10	22	14	5.75	5.75
13	13	1.85	1.85	22	14	5.75	5.75
13	13	2.05	2.05	22	14	5.75	5.75
13	13	2.45	2.45	22	14	5.75	5.75
13	13	2.75	2.75	22	14	5.75	5.75
13	13	3.85	3.85	22	14	5.75	5.75
13	13	4.60	4.60	22	14	5.75	5.75
13	13	5.45	5.45	22	14	5.75	5.75
13	13	6.30	6.30	22	14	5.75	5.75
14	14	2.05	2.05	22	14	5.75	5.75
14	14	2.35	2.35	22	14	5.75	5.75
14	14	2.55	2.55	22	14	5.75	5.75
14	14	3.35	3.35	22	14	5.75	5.75
14	14	3.75	3.75	22	14	5.75	5.75
14	14	4.15	4.15	22	14	5.75	5.75
14	14	5.00	5.00	22	14	5.75	5.75
14	14	5.85	5.85	22	14	5.75	5.75
14	14	6.75	6.75	22	14	5.75	5.75
15	15	2.20	2.20	22	14	5.75	5.75
15	15	2.45	2.45	22	14	5.75	5.75
15	15	2.85	2.85	22	14	5.75	5.75
15	15	3.05	3.05	22	14	5.75	5.75
15	15	4.45	4.45	22	14	5.75	5.75
15	15	5.35	5.35	22	14	5.75	5.75
15	15	6.30	6.30	22	14	5.75	5.75
15	15	7.25	7.25	22	14	5.75	5.75
16	16	2.35	2.35	22	14	5.75	5.75
16	16	2.60	2.60	22	14	5.75	5.75
16	16	2.90	2.90	22	14	5.75	5.75
16	16	3.25	3.25	22	14	5.75	5.75
16	16	4.25	4.25	22	14	5.75	5.75
16	16	4.60	4.60	22	14	5.75	5.75
16	16	5.55	5.55	22	14	5.75	5.75
16	16	6.50	6.50	22	14	5.75	5.75
16	16	7.50	7.50	22	14	5.75	5.75
17	17	2.45	2.45	22	14	5.75	5.75
17	17	2.75	2.75	22	14	5.75	5.75
17	17	3.15	3.15	22	14	5.75	5.75
17	17	3.50	3.50	22	14	5.75	5.75
17	17	4.95	4.95	22	14	5.75	5.75
17	17	5.90	5.90	22	14	5.75	5.75
17	17	6.95	6.95	22	14	5.75	5.75
18	18	2.60	2.60	22	14	5.75	5.75
18	18	2.95	2.95	22	14	5.75	5.75
18	18	3.30	3.30	22	14	5.75	5.75
18	18	3.70	3.70	22	14	5.75	5.75
18	18	4.80	4.80	22	14	5.75	5.75
18	18	5.30	5.30	22	14	5.75	5.75
18	18	6.35	6.35	22	14	5.75	5.75
18	18	7.45	7.45	22	14	5.75	5.75
18	18	8.55	8.55	22	14	5.75	5.75
20	20	3.35	3.35	22	14	5.75	5.75
20	20	3.80	3.80	22	14	5.75	5.75
20	20	4.25	4.25	22	14	5.75	5.75
20	20	4.85	4.85	22	14	5.75	5.75
20	20	7.20	7.20	22	14	5.75	5.75
20	20	8.45	8.45	22	14	5.75	5.75

No. O Baby Clipper

Belt Lacer

\$3.50

3-B-91. Used in any ordinary vise for belt not over 4 in. wide and 1/2 in. thick, lacing in one operation. Can also be adjusted in vise to lace wider belts. Strongly built of best materials. Weight 3 lbs. Price of lacer not including vise \$3.50.



Clipper Belt Hooks

Suitable for all makes of belting. Made from special steel wire of great strength giving a flexible, long lasting joint. Cards hold 84 hooks each, packed 12 cards (one size) in a box with sufficient rawhide pins. Following sizes are for use in No. 0 and No. 3 lacers.

- 3-B-95.** Clipper Belt Hooks.
No. 2. For thin belts over small pulleys, per box. **\$0.95**
No. 3. For thin belts over medium sized pulleys, per box. **1.00**
No. 4. For belts not over 1/4 inch thick, per box. **1.00**
No. 5. For belts not over 1/2 inch thick, per box. **1.15**
No. 6. For belts not over 3/4 inch thick, per box. **1.50**

Clipper Belt Lacer No. 3

3-B-92. No. 3. Standard Belt Lacer for general belt lacing work. Machine weighs 24 lbs. Laces any belt not over 3/4 inch thick, without removing belt from shaft. Belts 6 inches wide or narrower laced in one operation. Price **\$25.00**

Overhauled Wood Split Pulleys

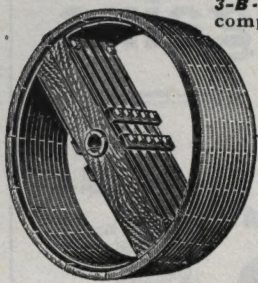
3-B-29. These are overhauled used pulleys all in good condition. Some are just shopworn and often we have odd lots of new pulleys in this lot.

Wood Split Pulleys do not require either key seat or set screws. They fit to shaft by compression and will pull equally as heavy a load as an iron or any other kind of a pulley without slipping.

We recommend the use of Wood Split Pulleys in all dry places.

Diam. Inches	3	4	5	6	8	10	12
3	\$1.10	\$1.15	\$1.25	\$1.30	\$1.50	\$1.65	\$1.80
4	1.15	1.20	1.30	1.35	1.55	1.70	1.90
5	1.20	1.25	1.35	1.40	1.60	1.80	2.00
6	1.25	1.30	1.40	1.45	1.65	1.90	2.10
7	1.30	1.35	1.45	1.50	1.70	1.95	2.20
8	1.35	1.40	1.50	1.55	1.80	2.10	2.35
9	1.40	1.45	1.55	1.60	1.90	2.20	2.50
10	1.45	1.50	1.60	1.65	2.00	2.30	2.65
11	1.50	1.55	1.65	1.70	2.10	2.40	2.75
12	1.55	1.60	1.70	1.75	2.20	2.50	2.85
13	1.60	1.65	1.75	1.80	2.30	2.60	2.95
14	1.65	1.70	1.80	1.85	2.40	2.70	3.05
15	1.70	1.75	1.85	1.90	2.50	2.80	3.15
16	1.75	1.80	1.90	1.95	2.60	2.90	3.25
17	1.80	1.85	1.95	2.00	2.70	3.00	3.35
18	1.85	1.90	2.00	2.05	2.80	3.10	3.45
19	1.90	1.95	2.05	2.10	2.90	3.20	3.55
20	1.95	2.00	2.10	2.15	3.00	3.30	3.65
22	2.05	2.10	2.20	2.25	3.20	3.50	3.85
24	2.15	2.20	2.30	2.35	3.40	3.70	4.05
26	2.25	2.30	2.40	2.45	3.60	3.90	4.25
28	2.35	2.40	2.50	2.55	3.80	4.10	4.45
30	2.45	2.50	2.60	2.65	4.00	4.30	4.65
32	2.55	2.60	2.70	2.75	4.20	4.50	4.85
34	2.65	2.70	2.80	2.85	4.40	4.70	5.05
36	2.75	2.80	2.90	2.95	4.60	4.90	5.25
38	2.85	2.90	3.00	3.05	4.80	5.10	5.45
40	2.95	3.00	3.10	3.15	5.00	5.30	5.65
42	3.05	3.10	3.20	3.25	5.20	5.50	5.85
44	3.15	3.20	3.30	3.35	5.40	5.70	6.05
46	3.25	3.30	3.40	3.45	5.60	5.90	6.25
48	3.35	3.40	3.50	3.55	5.80	6.10	6.45
50	3.45	3.50	3.60	3.65	6.00	6.30	6.65
52	3.55	3.60	3.70	3.75	6.20	6.50	6.85
54	3.65	3.70	3.80	3.85	6.40	6.70	7.05
56	3.75	3.80	3.90	3.95	6.60	6.90	7.25
58	3.85	3.90	4.00	4.05	6.80	7.10	7.45
60	3.95	4.00	4.10	4.15	7.00	7.30	7.65
62	4.05	4.10	4.20	4.25	7.20	7.50	7.85
64	4.15	4.20	4.30	4.35	7.40	7.70	8.05
66	4.25	4.30	4.40	4.45	7.60	7.90	8.25
68	4.35	4.40	4.50	4.55	7.80	8.10	

Reeves Brand New Wood Split Pulleys



3-B-75. Furnished complete with bushings and guaranteed to run perfectly true on shaft.

Wood Split Pulleys do not require either key seat or set screws. They fit to shaft by compression and will pull equally as heavy a load as an iron pulley.

When placing order advise size of shaft. Also whether straight or crown face pulley is wanted; otherwise we will furnish crown face.

Diam. Inches	Face, Inches							
	3	4	5	6	8	10	12	
3.....	\$2.10	\$2.20	\$2.35	\$2.50	\$2.80	\$3.10	\$3.40	
4.....	2.10	2.20	2.35	2.50	2.80	3.10	3.40	
5.....	2.15	2.20	2.40	2.55	2.90	3.25	3.55	
6.....	2.20	2.25	2.45	2.65	3.00	3.40	3.75	
7.....	2.20	2.30	2.50	2.70	3.10	3.55	3.95	
8.....	2.25	2.35	2.55	2.80	3.25	3.80	4.15	
9.....	2.35	2.45	2.70	2.95	3.40	3.90	4.40	
10.....	2.45	2.55	2.80	3.10	3.60	4.15	4.65	
11.....	2.65	2.80	3.10	3.40	4.00	4.60	5.20	
12.....	2.80	3.00	3.35	3.80	4.35	5.05	5.70	
13.....	3.25	3.25	3.60	4.00	4.75	5.50	6.25	
14.....	3.45	3.45	3.85	4.30	5.10	5.95	6.75	
15.....	3.80	3.80	4.15	4.60	5.50	6.30	7.10	
16.....	3.90	3.90	4.40	4.90	5.85	6.85	7.80	
17.....	4.15	4.15	4.65	5.20	6.25	7.30	8.35	
18.....	4.35	4.35	4.90	5.50	6.60	7.75	8.85	
19.....	4.60	4.60	5.20	5.80	6.90	8.20	9.40	
20.....	4.80	4.80	5.40	6.10	7.35	8.65	9.90	
22.....	5.25	5.25	5.95	6.70	8.10	9.55	10.95	
24.....	5.50	5.50	6.30	7.15	8.70	10.30	11.80	
26.....	6.30	6.30	7.25	8.20	10.05	11.95	13.80	
28.....	6.85	6.85	7.90	8.95	11.05	13.15	15.25	
30.....	7.35	7.35	8.50	9.70	12.00	14.35	16.65	
32.....	7.90	7.90	9.15	10.45	13.00	15.55	18.10	
34.....	8.50	8.50	9.85	11.25	14.05	16.80	19.50	
36.....	9.10	9.10	10.60	12.10	15.10	18.10	21.10	

FRICITION CLUTCH PULLEYS

For Line Shafts and Machines of all Kinds
The Friction Clutch Pulley, by its use a gradual starting or stopping of the pulley may be effected by throwing the lever in and out, also the reduction in cost of maintenance and saving of power. Lot No. 3-B-290.

Furnished complete with collar and yoke. When ordering, advise size of shaft, H. P. and speed.

Diam. Face In.	In.	Price	Diam. Face In.	In.	Price
3	3	\$13.70	12	6	\$21.90
4	4	14.15	14	8	19.70
6	6	15.80	16	10	23.20
7	7	16.90	18	12	23.20
8	8	17.25	20	14	23.20
9	9	17.25	22	16	23.20
10	10	17.25	24	18	23.20
12	12	17.25	26	20	23.20
14	14	17.25	28	22	23.20
16	16	17.25	30	24	23.20
18	18	17.25	32	26	23.20
20	20	17.25	34	28	23.20
22	22	17.25	36	30	23.20
24	24	17.25	38	32	23.20
26	26	17.25	40	34	23.20
28	28	17.25	42	36	23.20
30	30	17.25	44	38	23.20
32	32	17.25	46	40	23.20
34	34	17.25	48	42	23.20
36	36	17.25	50	44	23.20
38	38	17.25	52	46	23.20
40	40	17.25	54	48	23.20
42	42	17.25	56	50	23.20
44	44	17.25	58	52	23.20
46	46	17.25	60	54	23.20
48	48	17.25	62	56	23.20
50	50	17.25	64	58	23.20
52	52	17.25	66	60	23.20
54	54	17.25	68	62	23.20
56	56	17.25	70	64	23.20
58	58	17.25	72	66	23.20
60	60	17.25	74	68	23.20
62	62	17.25	76	70	23.20
64	64	17.25	78	72	23.20
66	66	17.25	80	74	23.20
68	68	17.25	82	76	23.20
70	70	17.25	84	78	23.20
72	72	17.25	86	80	23.20
74	74	17.25	88	82	23.20
76	76	17.25	90	84	23.20
78	78	17.25	92	86	23.20
80	80	17.25	94	88	23.20
82	82	17.25	96	90	23.20
84	84	17.25	98	92	23.20
86	86	17.25	100	94	23.20
88	88	17.25	102	96	23.20
90	90	17.25	104	98	23.20
92	92	17.25	106	100	23.20
94	94	17.25	108	102	23.20
96	96	17.25	110	104	23.20
98	98	17.25	112	106	23.20
100	100	17.25	114	108	23.20
102	102	17.25	116	110	23.20
104	104	17.25	118	112	23.20
106	106	17.25	120	114	23.20
108	108	17.25	122	116	23.20
110	110	17.25	124	118	23.20
112	112	17.25	126	120	23.20
114	114	17.25	128	122	23.20
116	116	17.25	130	124	23.20
118	118	17.25	132	126	23.20
120	120	17.25	134	128	23.20
122	122	17.25	136	130	23.20
124	124	17.25	138	132	23.20
126	126	17.25	140	134	23.20
128	128	17.25	142	136	23.20
130	130	17.25	144	138	23.20
132	132	17.25	146	140	23.20
134	134	17.25	148	142	23.20
136	136	17.25	150	144	23.20
138	138	17.25	152	146	23.20
140	140	17.25	154	148	23.20
142	142	17.25	156	150	23.20
144	144	17.25	158	152	23.20
146	146	17.25	160	154	23.20
148	148	17.25	162	156	23.20
150	150	17.25	164	158	23.20
152	152	17.25	166	160	23.20
154	154	17.25	168	162	23.20
156	156	17.25	170	164	23.20
158	158	17.25	172	166	23.20
160	160	17.25	174	168	23.20
162	162	17.25	176	170	23.20
164	164	17.25	178	172	23.20
166	166	17.25	180	174	23.20
168	168	17.25	182	176	23.20
170	170	17.25	184	178	23.20
172	172	17.25	186	180	23.20
174	174	17.25	188	182	23.20
176	176	17.25	190	184	23.20
178	178	17.25	192	186	23.20
180	180	17.25	194	188	23.20
182	182	17.25	196	190	23.20
184	184	17.25	198	192	23.20
186	186	17.25	200	194	23.20
188	188	17.25	202	196	23.20
190	190	17.25	204	198	23.20
192	192	17.25	206	200	23.20
194	194	17.25	208	202	23.20
196	196	17.25	210	204	23.20
198	198	17.25	212	206	23.20
200	200	17.25	214	208	23.20
202	202	17.25	216	210	23.20
204	204	17.25	218	212	23.20
206	206	17.25	220	214	23.20
208	208	17.25	222	216	23.20
210	210	17.25	224	218	23.20
212	212	17.25	226	220	23.20
214	214	17.25	228	222	23.20
216	216	17.25	230	224	23.20
218	218	17.25	232	226	23.20
220	220	17.25	234	228	23.20
222	222	17.25	236	230	23.20
224	224	17.25	238	232	23.20
226	226	17.25	240	234	23.20
228	228	17.25	242	236	23.20
230	230	17.25	244	238	23.20
232	232	17.25	246	240	23.20
234	234	17.25	248	242	23.20
236	236	17.25	250	244	23.20
238	238	17.25	252	246	23.20
240	240	17.25	254	248	23.20
242	242	17.25	256	250	23.20
244	244	17.25	258	252	23.20
246	246	17.25	260	254	23.20
248	248	17.25	262	256	23.20
250	250	17.25	264	258	23.20
252	252	17.25	266	260	23.20
254	254	17.25	268	262	23.20
256	256	17.25	270	264	23.20
258	258	17.25	272	266	23.20
260	260	17.25	274	268	23.20
262	262	17.25	276	270	23.20
264	264	17.25	278	272	23.20
266	266	17.25	280	274	23.20
268	268	17.25	282	276	23.20
270	270	17.25	284	278	23.20
272	272	17.25	286	280	23.20
274	274	17.25	288	282	23.20
276	276	17.25	290	284	23.20
278	278	17.25	292	286	23.20
280	280	17.25	294	288	23.20
282	282	17.25	296	290	23.20
284	284	17.25	298	292	23.20
286	286	17.25	300	294	23.20
288	288	17.25	302	296	23.20
290	290	17.25	304	298	23.20
292	292	17.25	306	300	23.20
294	294	17.25	308	302	23.20
296	296	17.25	310	304	23.20
298	298	17.25	312	306	23.20
300	300	17.25	314	308	23.20
302	302	17.25	316	310	23.20
304	304	17.25	318	312	23.20
306	306	17.25	320	314	23.20
308	308	17.25	322	316	23.20
310	310	17.25	324	318	23.20
312	312	17.25	326	320	23.20
314	314	17.25	328	322	23.20
316	316	17.25	330	324	23.20
318	318	17.25	332	326	23.20
320	320	17.25	334	328	23.20
322	322	17.25	336	330	23.20
324	324	17.25	338	332	23.20
326	326	17.25	340	334	23.20

Wonderful Separator Bargains

\$42⁵⁰

**500 Lb.
Capacity**

**3% Off For
Cash or See
Time Pay-
ments Below**



**Triple
Tin
Plated
Anti-
Splash
Supply
Tank**

**Speed
Indi-
cator
Insures
Proper
Speed
at All
Times**

**All Latest
Improvements**

Harris Cream Getter

In this wonderful 500-lb. capacity Harris "Cream Getter" we offer you a separator value that leaves all competition hopelessly behind. This separator is extremely popular—popular because of its handy size, popular because of its peerless skimming efficiency and extremely low price. In all parts of the country, at all seasons, it has carried off every farm test with flying colors.

Produced by expert separator builders in one of the finest, best equipped and most modern factories in the world, this latest model requires but one tool in the daily handling—the spanner part of the combination wrench. Has an oil splash lubricating system that never fails or goes wrong and many exclusive patented improvements to be found in no other machine.

Unusual Trial Offer

Try this separator for any reasonable time. You do not have to make up your mind in any certain number of days or weeks. See Guarantee alongside. Price below includes all accessories F. O. B. Lancaster, Pa., Chicago, or St. Paul, Minn., warehouses. Shipping weight, about 175 lbs.

No. 4-B-500. Size No. 5, 500 lb. capacity.
Special Sale Price.....\$42.50

Dimensions: 24 inches to top of supply can. Capacity of supply can, fourteen quarts.

Easy To Buy

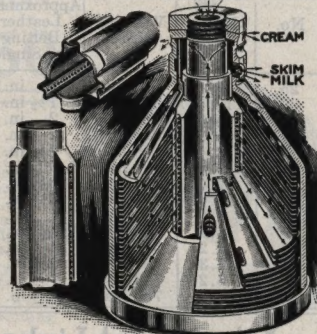
Plan No. 1. One-third with your order and balance two months and four months to your own bank. Add \$2.50 to printed prices for cost of handling. Give us the name of your bank.

Plan No. 2. Purchase price to be deposited with your banker thirty days. Send with your order a letter from your banker. Thirty days should be sufficient time for you to make up your mind.

Plan No. 3. Cash in full before shipment secures an additional saving of 3 per cent.

You Can't Beat the Cream Getter

As the bowl is the heart of a Cream Separator so is the Distributing Sleeve the Heart of the "Cream Getter" Bowl.



The above illustration shows the equalizing, distributing and clarifying sleeve and how it completes the proper bowl construction. This is what has been lacking heretofore in Cream Separators and what you need to get the greatest efficiency in the capacity desired with a lighter, easier turning bowl. Other exclusive improvements are the patented Safety Steel Clutch, Radial Cushion, Neck Bearing Spring and Alarm Bell Speed Indicator.

GUARANTEE

We guarantee the Harris "Cream Getter" Cream Separator to be the best you can buy regardless of name, price or make.

We guarantee that if, after you get the Cream Getter, within reasonable time you find you can get any other make at any price which is better according to capacity, we will give you return shipping instructions and refund all of the money you have paid us on the Cream Getter, plus freight charges.

We guarantee the Separator against defects in material and workmanship as long as it lasts and that we will supply repair parts should any ever be needed.



\$25

Cream Getter Junior

Capacity 300 Lbs. Per Hour

Large Capacity—Low in Price—which is made possible by simplicity of construction and a large number of sales.

Our Regular Bowl as above illustrated, is furnished with the "Cream Getter" Junior.

All Gearing enclosed and oiled by Splash System. Latest design, same high grade material and workmanship used throughout as found in our regular Harris "Cream Getter."

Do not waste money by giving your whole milk to the pigs or skimming by old-fashioned methods. Every ounce of butter fat means money to you.

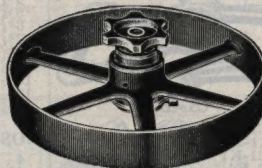
The low price makes it possible for you to own this separator which will take care of the average small herd and pay for itself in a short while.

4-B-150. Without Stand.
Weight, 80 lbs. **\$25.00**

4-B-151. With Stand as illustrated.

Wt., 110 lbs... **\$32.50**

Cream Separator Pulleys

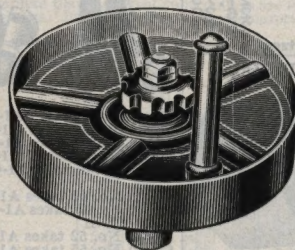


Harris Cone Clutch

The favorite clutch pulley on account of simplicity of operation and moderate price. Guaranteed to give satisfaction. Has never failed to give the best of service. 14 in., 2 in. crown face.

No. 4-B-125.
Weight, 15 lbs. **\$4.50**

No. 4-B-126. 4 in. extension hub.
Weight, 20 lbs. **\$5.00**



Multiple Disc "Cream Getter" Pulley

Made especially for "Cream Getters" and finished to match. Can be used for any Separator. Absolutely perfect in operation. Has fourteen steel discs which run in oil. Hub extended 5 1/2 in. Ball bearings. Crank handle to be attached if power falls. 12 in. 2 in. face. Weight, 24 lbs.

No. 4-B-127.
Special Sale Price..... **\$10.00**



Patented and
Guaranteed
from foundation
to Roof

HARRIS UNIT-BUILT

"Cellu-Seal" Insulator—All Weather Lined

PERMANENT GARAGES

Over 25,000 Now Built

The best, lowest priced and most conveniently erected PERMANENT garage that money can buy. Stronger and better looking than garages built in the old way. The easiest garage to buy because it's COMPLETE with all "Roll-Away" or "Quick-Lock" auto doors, windows and hardware in place, painted—ready to be erected and occupied in one day! No EXTRAS! Pays for itself in a few years. Buy this instead of having a handful of rent receipts—a 100% investment.

It's the only patented building of its kind in America—the choice of men who know. It offers all you could wish for in a garage. Our big volume prices are far below the amount you would pay for an ordinary garage! Choice of "Roll-Away" or "Quick-Lock" Doors.

See pages 82 and 83 or ask for FREE Catalog No. 38-BA giving full and complete details of construction and materials on all Harris UNIT-BUILT buildings including Garages, Houses, Summer Cottages, Churches, Schools, etc., etc.

Americas foremost House Specialists
have planned Your —

Harris Home Beautiful



FROM A PHOTO OF HARRIS HOME 2014

The RICHMOND "Perfection" Home

Design No. 2014. An imposing Home of a Dutch Colonial architecture, size 32 ft. x 22 ft. Planned with 6 good sized rooms and bathroom. Price of material we furnish, \$2,290.

Guaranteed quantities of all Lumber, shingles or siding, lath, asphalt shingles for roof, oak flooring, frames, doors, windows, moulding, glass, insulating felt, hardware, nails, gutters, paints, stains and varnishes. All materials will measure up to our high standard of quality.

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\$1

Brings Photos, Plans and Specifications of Any Two Designs, Postpaid to You!

Select any two designs of "Perfection", "Economy" or "Dependable" Homes from this book. Send \$1.00 and we will supply you with large photographs, plans, material specifications and other valuable information for a prospective home builder.

See Page 94 for Complete Details!

Specifications HARRIS HOME -- No 2014

Descriptive Material List HARRIS HOME -- No 2014

Estimate Labor Survey FOR HARRIS HOME -- No 2014

Excavation	10.00
Footings	2.00
Foundation	2.50
Chimney	4.00
Plaster	6.00
Lathing	1.00
Carpenter	5.00
Painter	1.00
Plumber	1.00